DRAWING INDEX 1001-B PIPE CULVERT CONCRETE HEADWALL

SANDY SPRINGS PERMIT # PW20-00014R1

CITY OF SANDY SPRINGS PUBLIC WORKS DEPARTMENT SEVILLE CHASE DRAINAGE IMPROVEMENT PROJECT FOR BID

THIS PROJECT IS LOCATED AT 70 SEVILLE CHASE IN SANDY SPRINGS, CMP WITH CIPP: LINING OF APPROXIMATELY 392 LF OF 36" CMP WITH CIPP: LINING OF APPROXIMATELY 106 LF OF 18" CMP WITH CIPP: AND THE REMOVAL AND REPLACEMENT OF CURB, GUTTER, AND PAVEMENT.

> 70 SEVILLE CHASE SANDY SPRINGS, GEORGIA 30328 LAND LOT #86; 17TH DISTRICT; ZONING DISTRICT RD-18

> > PROPERTY OWNER LIST

NAME

METIN YILDRIM JASON & ALYSON MYERSON

BARBARA FOUNTAIN HENDERSON REVOCABLE LIVING TRUST

MARVIN & GERTRUDE DAVIS MISTY CHERIE BENTZ & JAMES TRAN

GEORGE & SHERRIE WARSAW

MARK & JACQUELINE O'CONNELL PATRICIA TEMPLETON & JOSEPH E. MONTI

ALAN Y. HUONG & IRENE G. HUONG

KATHLEEN VOLPE & ARTHUR W. VOLPE III

JOSHUA WHITNEY SUESS & DEANN CAMPBELL

LANCE R. MENDEL

JULIA JACOBS

INTERSECTION OF BRANDON MILL ROAD AND SEVILLE CHASE

> BEGIN PROJECT N:1436339.35 E:2230008.29

> > END PROJECT N:1436045.1

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BRANDON MILLIAND	T AREA		
		DEVONWOO	DO DB
	SEVILL % ANNUAL CHANCE	E CHASE	
EVI	ENT HAZARD AREA		
	ZONE AL		

VICINITY MAP NOT TO SCALE

FIRM PANEL: 13121C0134GMAP REVISION DATE: SEPTEMBER 18, 2013

APRIL 2020



360 Interstate North Parkway, Suite 250 Atlanta, GA 30339 Phone - (404) 334-4310 Web - www.freese.com

> GEORGIA PROFESSIONAL ENGINEERING FIRM 004433

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1	ENGINEERING DESIGN

THIS PROJECT IS PREPARED USING THE HORIZONTAL COORDINATE SYSTEM ON 1985 (NAD83) EAST ZONE, AND NORTH AMERICAN VERTICAL DATUM (NAVD 1988).

THIS PROJECT HAS A TOTAL AREA OF 0.22 ACRES AND THE EXPECTED DISTURBANCE AREA IS 0.13 ACRES

Know what's **below**. **Call** before you dig.

LOT NUMBER

6

25

26 27

28

29

30

31

OWNER CITY OF SANDY SPRINGS 1 GALAMBOS WAY SANDY SPRINGS, GA 30328 770-730-5600



24 HOUR CONTACT

THE 24 HR EMERGENCY CONTACT NUMBER FOR THE CITY OF SANDY SPRINGS IS 770-730-5600

- 2. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON THE PLANS AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON THE PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY UNDER THIS REQUIREMENT EXCEPT AS NOTED BELOW. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY THAT EXISTS ON THE PROJECT IN ITS ORIGINAL, RELOCATED, OR NEWLY INSTALLED POSITION. THE CONTRACTOR WILL NOT BE HELD RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGED UTILITY FACILITIES OTHER THAN SERVICE FROM STREET MAINS TO ABUTTING PROPERTY, WHEN SUCH FACILITIES ARE NOT SHOWN ON THE PLANS AND THEIR EXISTENCE IS UNKNOWN TO THE CONTRACTOR PRIOR TO THE DAMAGES OCCURRING, PROVIDED THE ENGINEER DETERMINES THE CONTRACTOR HAS OTHERWISE FULLY COMPLIED WITH THE SPECIFICATIONS. ALL UTILITY FACILITIES WHICH ARE IN CONFLICT WITH CONSTRUCTION AND ARE NOT COVERED AS SPECIFIC ITEMS IN THE DETAILED ESTIMATE ARE TO BE REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF THE WORK.
- 3. UTILITY WORK COORDINATION WILL BE REQUIRED AS PART OF THIS CONTRACT. THE CONTRACTOR WILL BE REQUIRED TO USE THE ONE-CALL CENTER TELEPHONE NUMBER, 811 FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES. THE CONTRACTOR'S ATTENTION IS CALLED TO SUBSECTION 105.06 OF THE GDOT STANDARD SPECIFICATIONS "COOPERATION WITH UTILITIES"
- 4. THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:

SOUTHERN COMPANYGAS GINNY MAULDIN-KINNEY VMAULDIN@SOUTHERNCO.COM 404-584-3176

LWASLIEN@SOUTHERNCO.COM

404-947-0729

404-546-3201

GEORGIA POWER 30324 LAMONTE WASLIEN

FULTON COUNTY SEWER ABDUL AKBAR ABDUL.AKBAR@FULTONCOUNTYGA.GOV

404-612-7518 CITY OF ATLANTA WATER RAHSHAD COLES RCOLES@ATLANTAGA.GOV

AT&T COMM GREGORY DIGGS GD7890@ATT.COM; 770-423-5149 575 MOROSGO DR., ATLANTA, GA

VERIZON/MCI AND XO/AGLN COMM MICHAEL WALKER OR JESSE ALDRIDGEMICHAEL.WALKER@VERIZON.COM; JALDRIDGE@EXPRESS-TEK.COM 770-680-5132 EXT. 2304

TOWER CLOUD COMM GENE MANNING GENE.MANNING@UNITI.COM 334-703-9682

- 5. THE CONTRACTOR SHALL STRICTLY ADHERE TO DUST CONTROL REGULATIONS. ALL AREAS SUBJECTED TO DUST FORMATION MUST BE PERIODICALLY WATERED SUFFICIENT TO RETARD DUST. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS
- 6. THE TOTAL AREA SHOWN ON THE PLANS FOR GRASSING IS FOR INFORMATION ONLY. THE CITY OF SANDY SPRINGS ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY. THE CONTRACTOR SHALL BID ON GRASSING COMPLETE, AND IT SHALL BE HIS OR HER RESPONSIBILITY TO DETERMINE THE ACTUAL AREA TO BE GRASSED. NO CLAIMS WILL BE CONSIDERED FOR COMPENSATION IF THE CONTRACTOR RELIES ON THE AREA SHOWN ON THE PLANS.
- 7. TYPE OF GRASS OR SOD USED ON THIS PROJECT WILL BE REQUIRED TO MATCH ANY TYPE OF GRASS OR SOD WHICH MAY BE PLANTED AND GROWING ON THE ADJACENT LAWN. I.E. BERMUDA SOD FOR BERMUDA SOD, ZOYSIA FOR ZOYSIA ETC. NOT SEPARATE PAYMENT SHALL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.
- 8. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GDOT STANDARD SPECIFICATIONS
- 9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL.
- 10. SHOULD A DRIVEWAY BE DAMAGED DUE TO CONSTRUCTION, THE DRIVEWAY SHALL BE REPLACED, IN KIND, I.E. ASPHALT FOR ASPHALT AND CONCRETE FOR CONCRETE; EXCEPT EARTH AND GRAVEL DRIVEWAYS SHALL BE REPLACED WITH ASPHALT TO THE CONSTRUCTION LIMITS. THE DRIVEWAY LOCATIONS INDICATED ON THE PLANS ARE FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS WHERE THEY ARE NOT IN CONFLICT WITH RULES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER PRIOR TO MAKING ANY REVISIONS SUCH AS TO LOCATION, WITH AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. WHERE REQUIRED, THE DRIVES SHALL BE PAVED AS FOLLOWS:

ASPHALTIC DRIVES

RESIDENTIAL - 1-1/2" RECY. ASPHALTIC CONCRETE, 9.5MM SUPERPAVE, GP 2 ONLY,

INCL. BITUM. MAT'L & H. LIME 6" GRADED AGGREGATE BASE

CONCRETE DRIVES RESIDENTIAL

 6" CONCRETE VALLEY GUTTER 6" CONCRETE DRIVEWAY

ALL DRIVEWAYS SHALL BE PAVED TO THE LIMITS OF CONSTRUCTION.

- 11. WHERE WET SUBGRADE IS ENCOUNTERED AND WHERE IDENTIFIED BY THE ENGINEER. PERFORATED UNDERDRAIN PIPE WITH DRAINAGE AGGREGATE SHALL BE PLACED AS DIRECTED BY THE ENGINEER TO AID IN DEWATERING THE SUBGRADE.
- 12. THE CONTRACTOR SHALL OBSERVE ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS REGARDING PIPE INSTALLATION IN TRENCHES. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.
- 13. IN AREAS WHERE TYPE 2 CURB IS USED, DRAINAGE STRUCTURES 1033D AND 1034D WILL BE REQUIRED.
- 14. WHERE EXISTING PAVEMENT MARKINGS AND LINES ARE IN CONFLICT WITH THE TRAFFIC PATTERN BEING USED ON CONSTRUCTION, THE CONTRACTOR SHALL REMOVE OR OVERLAY LINES TO THE SATISFACTION OF THE ENGINEER SUCH THAT THE LINES DO NOT CONFUSE THE TRAVELING PUBLIC. ALL REMAINING LINES OR MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". OR AS DIRECTED BY THE ENGINEER. TRAFFIC SHALL NOT BE ALLOWED ON ANY PAVEMENT NOT PROPERLY STRIPED.
- 15. THE BID PRICE SHALL INCLUDE, BUT IS NOT LIMITED TO CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNING AND PAVEMENT MARKINGS. BARRICADES, CHANNELING DEVICES ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. ALL TEMPORARY SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION AND/OR AS DIRECTED BY THE ENGINEER. COSTS FOR THIS SHOULD BE INCLUDED UNDER TRAFFIC CONTROL.
- 16. ALL CUT AND FILL SLOPES SHALL BE GRASSED AS DIRECTED BY THE ENGINEER IMMEDIATELY AFTER THE SLOPES ARE ESTABLISHED IN ORDER TO REDUCE EROSION. IF THE SEASON DOES NOT PERMIT GRASSING; TEMPORARY MULCH SHALL BE USED AS DIRECTED BY THE ENGINEER.
- 17. THE CONTRACTOR SHALL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT LIMITED TO, REPLACEMENT OR RECONSTRUCTION IF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED, REMOVED OR REGRADED AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN THE PLANS. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
- 18. QUANTITIES SHOWN ON THE PLANS ARE FOR ESTIMATION PURPOSES ONLY. CONTRACTOR IS REQUIRED TO VERIFY ALL QUANTITIES TO BE INCLUDED IN THE BID PRICE.

- 19. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBANCE ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION OR AS DIRECTED BY THE ENGINEER.
- 20. ALL SILT FENCES MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT FENCE INSTALLATION IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SILT FENCES AND TO REPAIR OR REPLACE ANY SILT FENCE THAT IS NOT SATISFACTORY. EROSION CONTROL GATES SHALL BE PLACED IMMEDIATELY AFTER DRAINAGE STRUCTURES ARE IN PLACE. ALL EROSION CONTROL DEVICES SHALL BE PLACED ACCORDING TO PLANS AND AS DIRECTED BY THE ENGINEER. SEE THE GEORGIA STANDARD SPECIFICATIONS AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". CURRENT EDITION REGARDING EROSION CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE TO KEEP WETLAND AREAS FREE FROM SILTATION. THE CONTRACTOR SHALL OBTAIN AND ABIDE BY ALL CORP OF ENGINEERS RULES AND REGULATIONS CONCERNING CONSTRUCTION ADJACENT TO WATERWAYS AND MAINTAIN WATER QUALITY.
- 21. THIS PROJECT HAS A TOTAL AREA OF 0.22 ACRES AND THE EXPECTED DISTURBANCE AREA IS 0.13 ACRES. THE TOTAL AREA IS THE TOTAL AREA OF THE RIGHT-OF-WAY AND EASEMENTS, AND THE DISTURBED AREA IS THE AREA ASSOCIATED WITH CLEARING, GRADING, EXCAVATING, FILLING OF LAND, AND OTHER SIMILAR ACTIVITIES WHICH MAY RESULT IN SOIL EROSION, AS DEFINED UNDER "CONSTRUCTION ACTIVITIES" IN THE STATE OF GEORGIA NATURAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT NO. GAR1000002.
- 22. AGGREGATE SURFACE COURSE FOR TEMPORARY DRIVEWAYS, INCLUDING MATERIAL, HAUL AND PLACEMENT SHALL BE USED AT THE ENGINEER'S DIRECTION TO FACILITATE THE MOVEMENT OF LOCAL TRAFFIC THROUGH THE CONSTRUCTION AREA DURING THE INCLEMENT WEATHER. WHEN USED FOR THIS PURPOSE, SECTION 318 OF THE GEORGIA D.O.T. STANDARD SPECIFICATION IS MODIFIED TO PERMIT TRUCK DUMPING ON UNPREPARED WET, MUDDY SUBGRADE. SECTION 318 IS FURTHER MODIFIED TO PERMIT THE USE OF CRUSHER STONE AS DESCRIBED. THE CONTRACTOR WILL HAVE THE USE OF THE FOLLOWING MATERIALS:
 - A. GRADED AGGREGATE, ARTICLE 815.2.01

28. EXISTING DRIVEWAY PIPES TO BE TIED INTO CURBLINE BY CONTRACTOR

ACTION WITH THE PROJECT ENGINEER.

- B. COURSE AGGREGATE, SIZE 467, ARTICLE 800.2.01
- C. STABILIZED AGGREGATE, TYPE I OR II, SECTION 803.2 OR 803.2.02
- D. CRUSHED STONE, ARTICLE 806.2.02 24. CONSTRUCTION LAYOUT WILL BE REQUIRED BY THE CONTRACTOR. ALL COST FOR THIS ITEM WILL
- BE INCLUDED IN THE BID PRICE UNDER TRAFFIC CONTROL. 25. CITY OF SANDY SPRINGS PUBLIC WORKS DEPARTMENT, SHALL BE NOTIFIED A MINIMUM OF 72 HOURS IN ADVANCE OF ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL COORDINATE THIS
- 26. ANY ADJUSTMENTS OR RELOCATIONS OF CITY OF SANDY SPRINGS PUBLIC WORKS DEPARTMENT'S FACILITIES SHALL BE IN ACCORDANCE WITH THE CITY OF SANDY SPRINGS ORDINANCE NO. 2008-09-48. THIS DOCUMENT IS AVAILABLE AT THE DEPARTMENT'S OFFICE AT 1 GALAMBOS WAY, BUILDING 500, SANDY SPRINGS, GEORGIA 30328, TELEPHONE 770-730-5600, AND ONLINE AT
- WWW.SANDYSPRINGSGA.GOV 27. THE 24 HR EMERGENCY CONTACT NUMBER FOR THE CITY OF SANDY SPRINGS IS 770-730-5600
- 29. TREES SHALL NOT BE DISTURBEND UNLESS REQUIRED FOR CONSTRUCTION OR OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL COMPLY WITH CITY OF SANDY SPRINGS ORDINANCES REGARDING TREE REMOVAL, IF APPLICABLE
- 30. RESULTS FROM OTHER MATERIALS OR COMPACTION TESTING AS REQUIRED BY GDOT STANDARDS OR SPECIFICATIONS SHALL BE PROVIDED TO THE CITY OF SANDY SPRINGS.
- 31. CONTRACTOR SHALL REMOVE ALL FALLEN TREES AND EXISTING DEBRIS WITHIN PROJECT LIMITS. 32. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED
- AT EACH ENTRY TO OR EXIT FROM THE SITE. 33. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ON TO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMANDS, AND REPAIR AND/OR CLEAN-OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED.
- 34. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR WITHIN THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
- 35. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION CONTROL DEVICES AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER
- 36. OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.
- 37. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
- 38. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UP STREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.
- 39. FAILURE TO INSTALL. OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO CITY OF SANDY SPRINGS STANDARDS.
- 40. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.
- 41. ALL SEWER EASEMENTS DISTURBED MUST BE DRESSED AND GRASSED TO CONTROL EROSION.
- 42. ALL RCP SHALL BE CLASS III, PER GDOT STANDARD SPECIFICATIONS.
- 43. ALL PRECAST MANHOLES SHALL BE PROVIDED WITH A MINIMUM OF 9 INCHES OF CLEARANCE ON EACH SIDE OF CONNECTING PIPE BETWEEN ALL CUT-OUTS OR PENETRATIONS.

GENERAL TRANSPORTATION NOTES

- 1. ALL TRAFFIC CONTROL AND WARNING DEVICES MUST BE SHOWN AND PLACED PER THE MUTCD. THE TRAFFIC CONTROL PLAN IS SUBJECT TO CHANGE BY THE SANDY SPRINGS TRAFFIC ENGINEER.
- 2. TEMPORARY TRAFFIC CONTROL AND WARNING DEVICES SHALL BE PLACED PRIOR TO THE COMMENCEMENT OF ANY ROAD IMPROVEMENT WORK ON CITY ROADS AND SHALL REMAIN IN PLACE UNTIL THE CONCLUSION OF ALL SIGNING AND STRIPING WORK.
- 3. ALL SIGNS SHALL CONFORM TO THE MUTCD STANDARDS AND SANDY SPRINGS STANDARDS FOR COLOR, SIZE, REFLECTIVITY, HEIGHT, AND PLACEMENT.
- 4. A CITY OF SANDY SPRINGS UTILITY PERMIT IS REQUIRED FOR ANY CONSTRUCTION WITHIN THE ROW. REFER TO THE CITY'S UTILITY PERMIT POLICY FOR REQUIREMENTS.
- 5. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE AS-BUILT STATUS OF DOWNSTREAM DRAINAGE IMPROVEMENTS PRIOR TO BEGINNING CONSTRUCTION AND ADVISE THE ENGINEER OF ANY DIFFERENCES NOTED BETWEEN FIELD CONDITIONS AND WHAT IS DEPICTED ON THE CONSTRUCTION DOCUMENTS.
- SAWCUT MUST BE USED IN ANY AREA WHERE NEW PAVEMENT WILL ABUT EXISTING PAVEMENT 7. NO CLOSURES OF OR ENCROACHMENTS INTO THE PEDESTRIAN, BICYCLE, OR VEHICULAR TRAVEL AREAS SHALL BE DONE WITHOUT PRIOR APPROVAL FROM THE SANDY SPRINGS TRAFFIC ENGINEER. ALL PROPOSED PLANS FOR CLOSURES AND ENCROACHMENTS SHALL BE SUBMITTED AT LEAST TWO WEEKS PRIOR TO INTENDED BEGINNING AND MUST BE APPROVED PRIOR TO COMMENCEMENT.

CIPP NOTES

- CONTRACTOR TO PROVIDE 3RD PARTY CCTV INSPECTION REPORT IN GRANITE XP., HARD COPY. AND ON USB DRIVE WITH VIDEO. CCTV REQUIREMENTS ARE DETAILED IN GDOT SPECIFICATION SECTION 936 - CCTV SYSTEM, GDOT SPECIFICATION 660.2 AND GDOT SPECIFICATION 660.0.05.
- 2. RESULTS FROM OTHER MATERIALS OR COMPACTION TESTING AS REQUIRED BY GDOT STANDARDS OR SPECIFICATIONS SHALL BE PROVIDED TO THE CITY OF SANDY SPRINGS.
- 3. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SUPPLEMENTAL CIPP SPECIFICATION DOCUMENT PROVIDED BY CITY OF SANDY SPRINGS.

GENERAL TRAFFIC CONTROL NOTES

- 1. THE CONTRACTOR SHALL CHECK ALL TRAFFIC CONTROL DEVICES AND WORK ZONES BEFORE, DURING, AND AFTER EACH WORK DAY TO ENSURE PROPER OPERATION. ON WEEKENDS, HOLIDAYS, OR ANY NON-WORKING DAYS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE TRAFFIC MAINTENANCE AND CONTROL DEVICES DAILY FOR PROPER OPERATION.
- 2. TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, UNLESS OTHERWISE APPROVED BY THE CITY OF SANDY SPRINGS. RESIDENT, MAIL AND PARCEL DELIVERY SERVICE, TRASH PICKUP, AND EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES REGARDLESS OF THE LANE AND/OR STREET CLOSURES IN EFFECT.
- 3. DURING NON-WORKING HOURS OR DAYS, ALL EXCAVATED AREAS ARE TO BE BACKFILLED OR SECURED AND PROTECTED USING APPROVED SAFETY DEVICES AND MATERIALS. 4. WHEN THE USE OF TYPE III BARRICADES IS REQUIRED (DAY OR NIGHT), ALL BARRICADES SHAL
- BE EQUIPPED WITH TYPE B HIGH INTENSITY FLASHING WARNING LIGHTS. 5. ALL CONTRACTOR EMPLOYEES EXPOSED TO VEHICULAR TRAFFIC SHALL BE PROVIDED WITH AND REQUIRED TO WEAR WARNING VESTS MARKED WITH OR MADE OF REFLECTORIZED OR HIGH VISIBILITY MATERIALS.
- 6. FOR CONSTRUCTION OPERATIONS LASTING LONGER THAN 14 CALENDAR DAYS, THE CONTRACTOR SHALL INSTALL "ROAD WORK AHEAD" SIGNS (W21-4, 48" X 48") AND "END ROAD WORK" (G20-2A, 48" X 24") WARNING SIGNS ON 6" X 6" WOODEN GROUND MOUNTED POSTS. THESE SIGNS MUST BE INSTALLED PRIOR TO BEGINNING WORK AND SHALL BE REMOVED AFTER COMPLETION OF ALL CONSTRUCTION AND RESTORATION ACTIVITIES.
- 7. ANY TRAFFIC CONTROL DEVICES INCLUDED BUT NOT LIMITED TO PAVEMENT MARKINGS, SIGNS, AND TRAFFIC SIGNAL EQUIPMENT AND LOOPS THAT IS DAMAGED OR DESTROYED BY THE CONTRACTOR MUST BE REPLACED AT THE CONTRACTOR'S EXPENSE UNLESS THEIR REMOVAL OF DESTRUCTION IS CALLED FOR BY THE CONSTRUCTION DOCUMENTS.
- 8. WHERE EXISTING PAVEMENT MARKINGS AND LINES ARE IN CONFLICT WITH THE TRAFFIC PATTERN BEING USED ON CONSTRUCTION, THE CONTRACTOR SHALL REMOVE OR OVERLAY LINES TO THE SATISFACTION OF THE ENGINEER SUCH THAT THE LINES DO NOT CONFUSE THE TRAVELING PUBLIC. ALL REMAINING LINES OR MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION AND/OR AS DIRECTED BY THE ENGINEER. ADDITIONAL DETOUR SIGNAGE MAY BE REQUIRED IN ORDER IN ORDER TO CONFORM
- 9. PEDESTRIAN AND LOCAL VEHICULAR TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. SAFETY DEVICES AND FLAG-MEN SHALL BE PROVIDED BY THE CONTRACTOR AT HIS EXPENSE. WRITTEN PERMISSION TO CLOSE THE CONSTRUCTION AREA TO TRAFFIC MUST BE OBTAINED FROM THE CITY OF SANDY SPRINGS PRIOR TO THE CLOSING. ALL LOCAL EMERGENCY SERVICES SHALL BE NOTIFIED IN WRITING A MINIMUM OF 72 HOURS PRIOR TO ROAD CLOSINGS.
- 10. DURING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY TRAFFIC CONTROL MEASURES TO ENSURE SAFETY AT ALL TIMES FOR EMPLOYEES, RESIDENTS, AND MOTORISTS, IN ACCORDANCE WITH THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES', ANSI DO.6, LATEST REVISION.
- 11. THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLES 104.05, 107.07 AND 107.09 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND SEQUENCE OF OPERATIONS IN REGARDS TO MAINTENANCE OF TRAFFIC DURING CONSTRUCTION.

UTILITY NOTES

- 1. WATER MAINS SHALL BE LAID SO THAT THE MINIMUM DEPTH OF COVER IS FOUR (4) FEET AND THE MAXIMUM COVER IS FIVE (5) FEET. ANY DEVIATION MUST BE SPECIFICALLY APPROVED BY CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT.
- 2. WATER LINES SHALL BE INSTALLED ABOVE ALL SEWER LINES. ALL SEWER LINES SHALL BE INSTALLED BELOW EXISTING WATER LINES.
- 3. WHERE REQUIRED TO CLEAR EXISTING UTILITIES, THE VERTICAL ALIGNMENT OF THE PROPOSED WATER MAIN SHALL BE ADJUSTED TO ALLOW A MINIMUM CLEARANCE OF 12 INCHES. SUCH ADJUSTMENT SHALL CONFORM TO THE DEPTH OF COVER REQUIREMENTS AS STATED ABOVE.
- 4. WHEN WATER MAINS CROSS SEWERS, A MINIMUM VERTICAL SEPARATION OF 18 INCHES MUST BE PROVIDED BETWEEN THE TWO (2) PIPES (MEASURED EDGE TO EDGE). AT CROSSINGS, ONE LENGTH OF WATER PIPE MUST BE LOCATED SO THAT BOTH JOINTS ARE AS FAR FROM THE SEWER AS POSSIBLE.
- CONTRACTOR TO TAKE SPECIAL CARE TO AVOID CAUSING DAMAGE TO ALL UTILITIES.
- 6. MINIMUM COVER REQUIRED FOR BURIED ELECTRICAL UTILITIES IS 30-INCHES. CONTRACTOR TO ENSURE COVER REQUIREMENT IS MET. CONTRACTOR TO ENSURE THAT 6-INCHES OF SEPARATION IS PROVIDED BETWEEN THE STORM SYSTEM AND THE BURIED ELECTRICAL UTILITIES.
- 7. AT&T WILL EXPOSE THEIR BURIED UTILITIES IN ADVANCE OF CONSTRUCTION. CONTRACTOR TO ALERT THE CITY AND THE ENGINEER IF THEY OBSERVE THIS ACTION WAS NOT CARRIED OUT.
- 8. A RELOCATION PLAN FOR THE BURIED GAS UTILITIES IS PROVIDED AS AN ATTACHMENT TO THIS PLAN SET. CONTRACTOR IS RESPONSIBLE TO REVIEW THE PLAN AND RELOCATE THESE UTILITIES AS REQUIRED. CONTRACTOR TO COORDINATE WITH SOUTHERN COMPANY GAS PRIOR TO BEGINNING

SURVEY NOTES

1. HORIZONTAL DATUM: GEORGIA STATE PLANE COORDINATE SYSTEM, NAV 83, WEST ZONE (GA83-WF)

GEORGIA D.O.T. STANDARDS AND CONSTRUCTION DETAILS				
STANDARD DRAWING NO.	REVISION DATE	DESCRIPTION		
1001B	08/99	PIPE CULVERT CONCRETE HEADWALL		
1019A	08/99	DROP INLET		
1033D	08/82	SINGLE WING CATCH BASIN		
1034D	08/82	DOUBLE WING CATCH BASIN		
1401	08/99	PAVEMENT PATCHING DETAILS (STORM DRAIN OR UTILITY INSTALLATIONS BY OPEN ACROSS EXISTING PAVEMENT)		
9102	03/06	TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON TWO-LANE HIGHWAY		
9100	03/06	TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND, AND MISCELLANEOUS DETAILS		
9032b	11/11	CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRETE MEDIANS		
1030d	09/01	STANDARDS, CULVERTS, DRAINAGE, DRAINAGE STRUCTURES		





PERMIT # PW20-00014R1 hese plans were NOT reviewed with respect to any building codes or structural desig Code compliance and structural integrity are the responsibility of the owner and builder The building permit is subject to all City of Sandy Springs ordinances and Georgia State

SANDY SPRINGS

Permitted

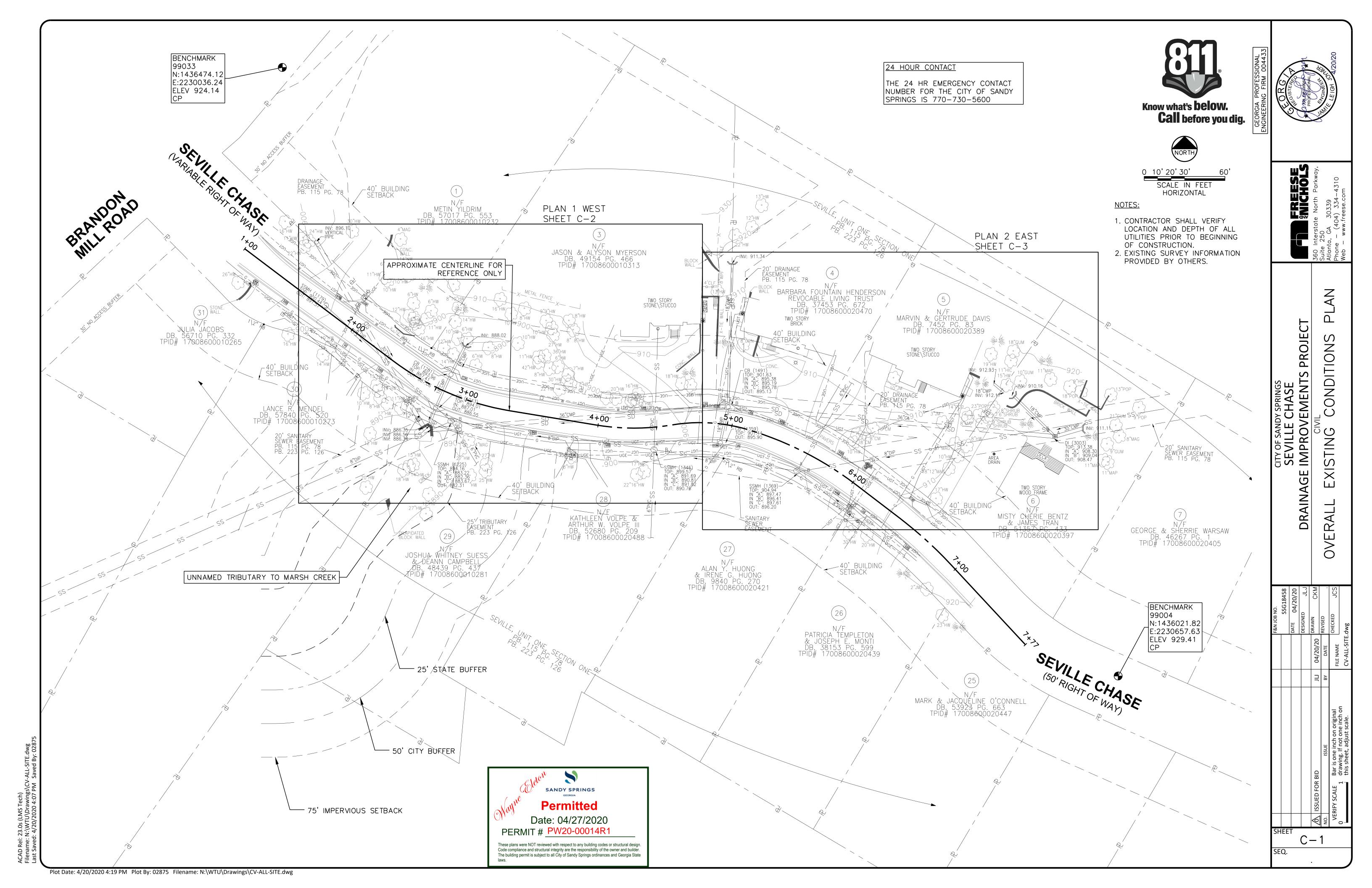
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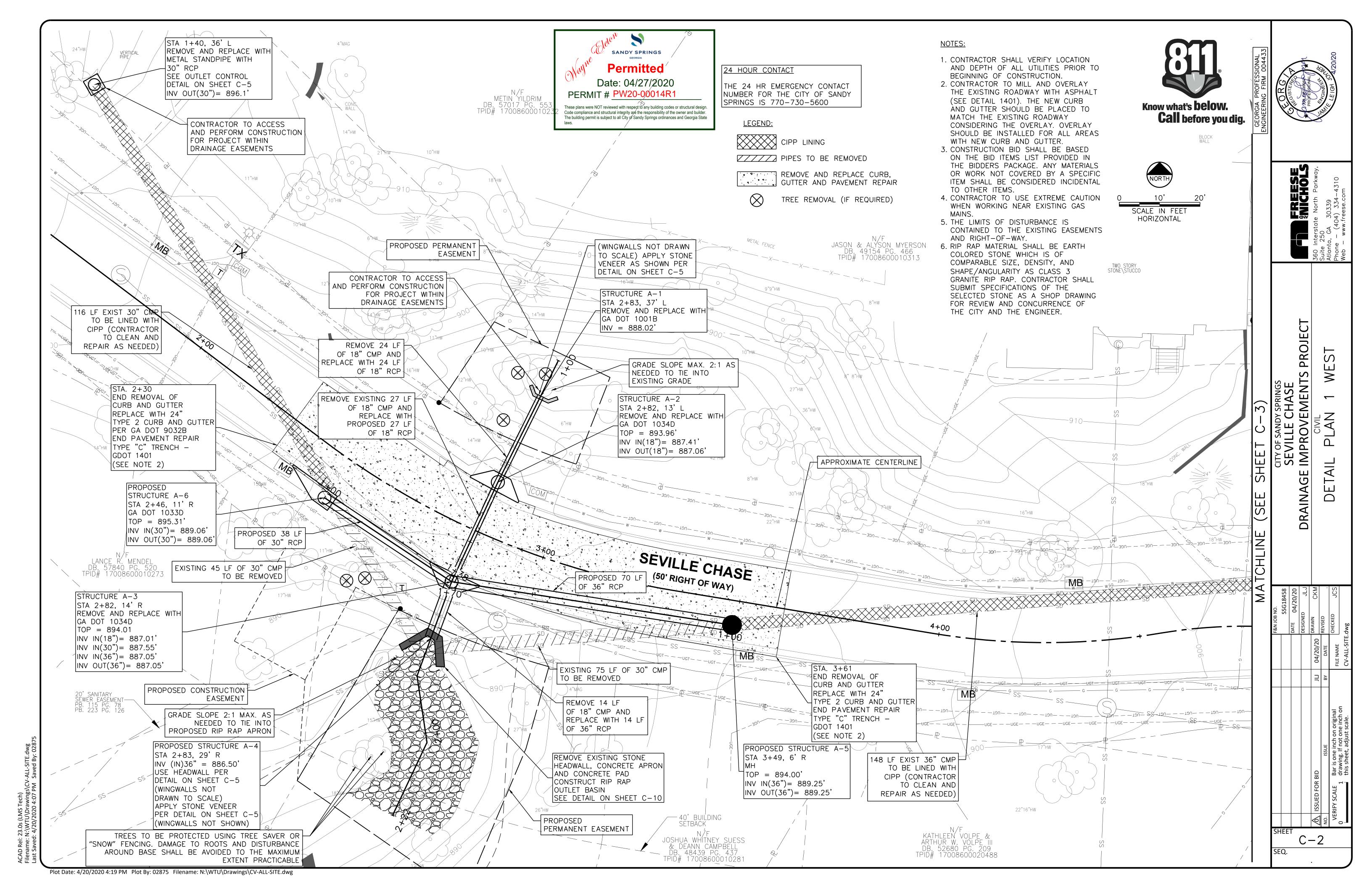
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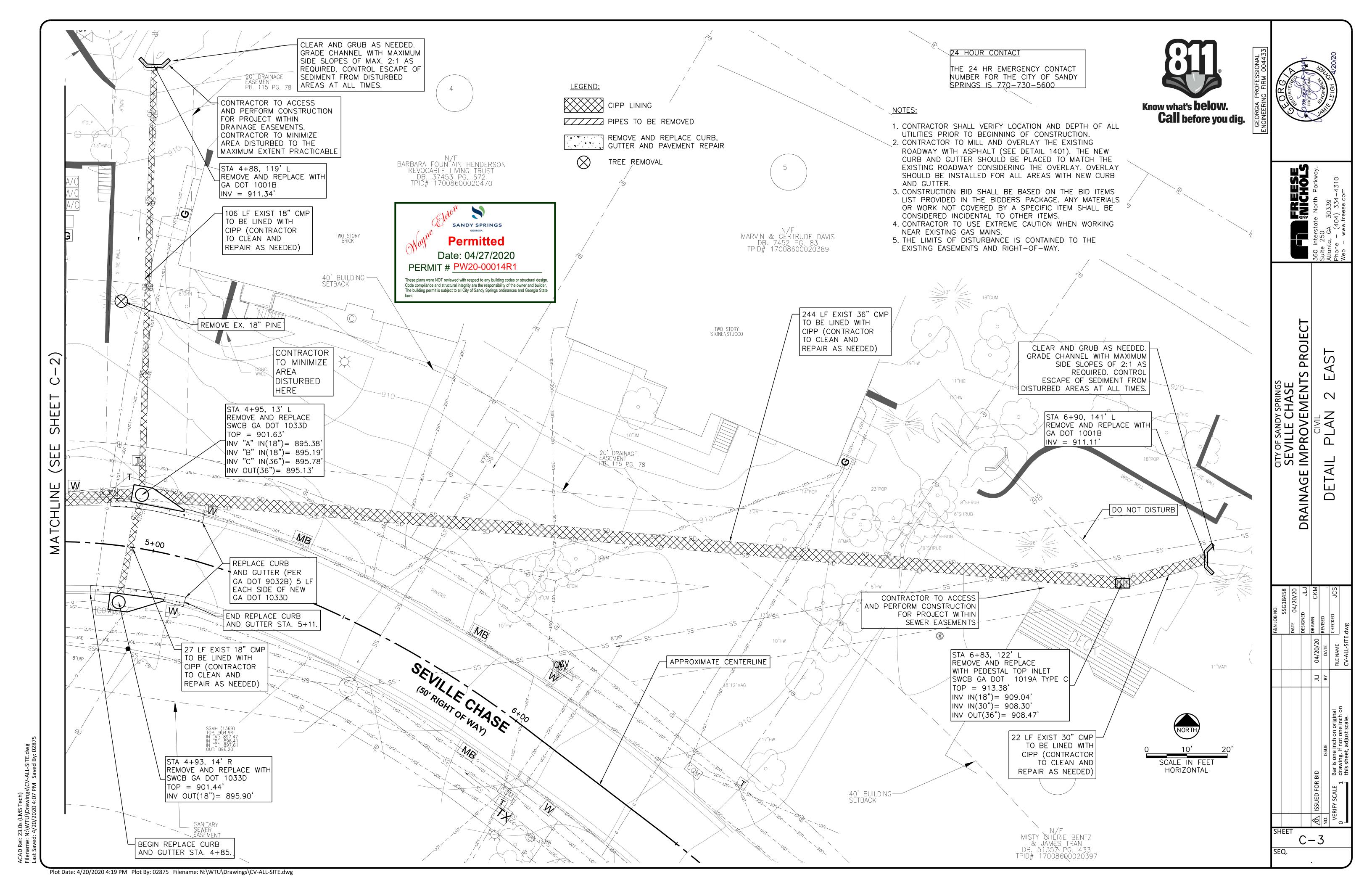
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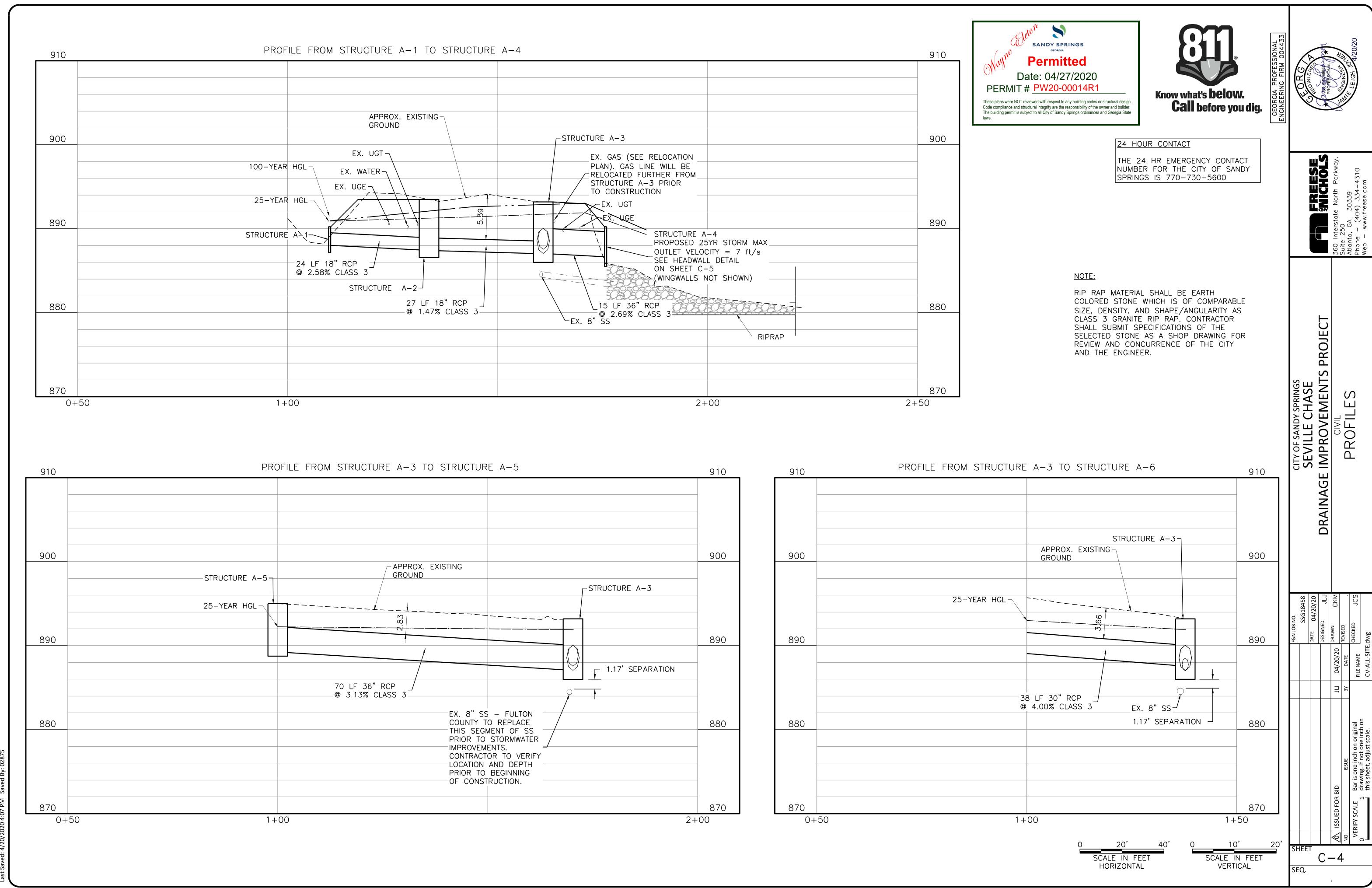
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SHEE G-1









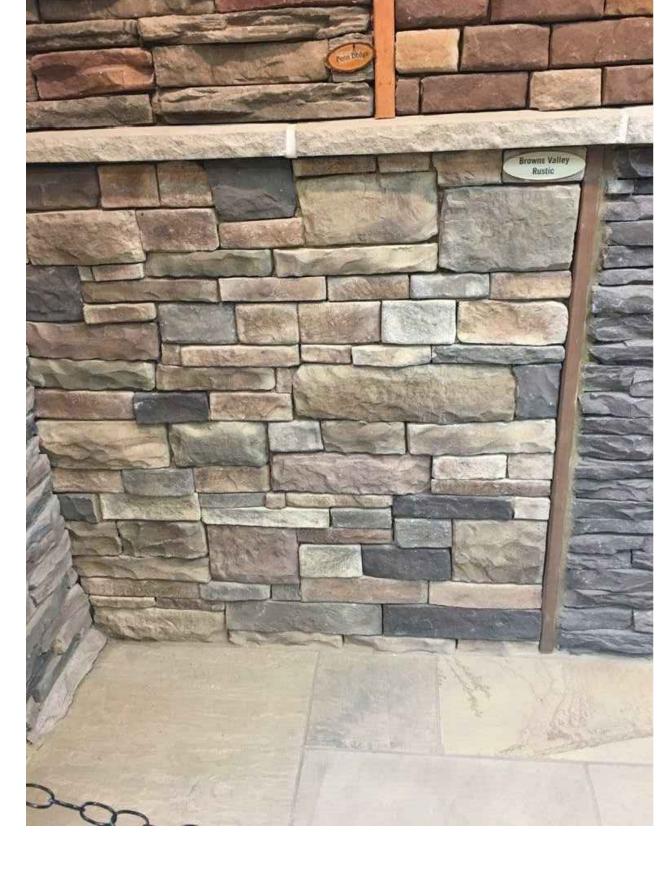
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STONE VENEER DETAIL



STONE VENEER FOR HEADWALLS TO CLOSELY MATCH. ATTACH STONE VENEER TO FACE WITH BRICK TIES AT 24"X24" MAXIMUM SPACING PER THE MANUFACTURER'S SPECIFICATIONS.





3/4"Ø x/21 LONG REDHEAD OR HILTI EXPANSION ANCHOR

APPROVED FOR PRODUCTION
Date: 10/1/2019
Checked By: \$8-VIA-ACAD

<u>VIEW A</u> SCALE: 1" = 1'-0"

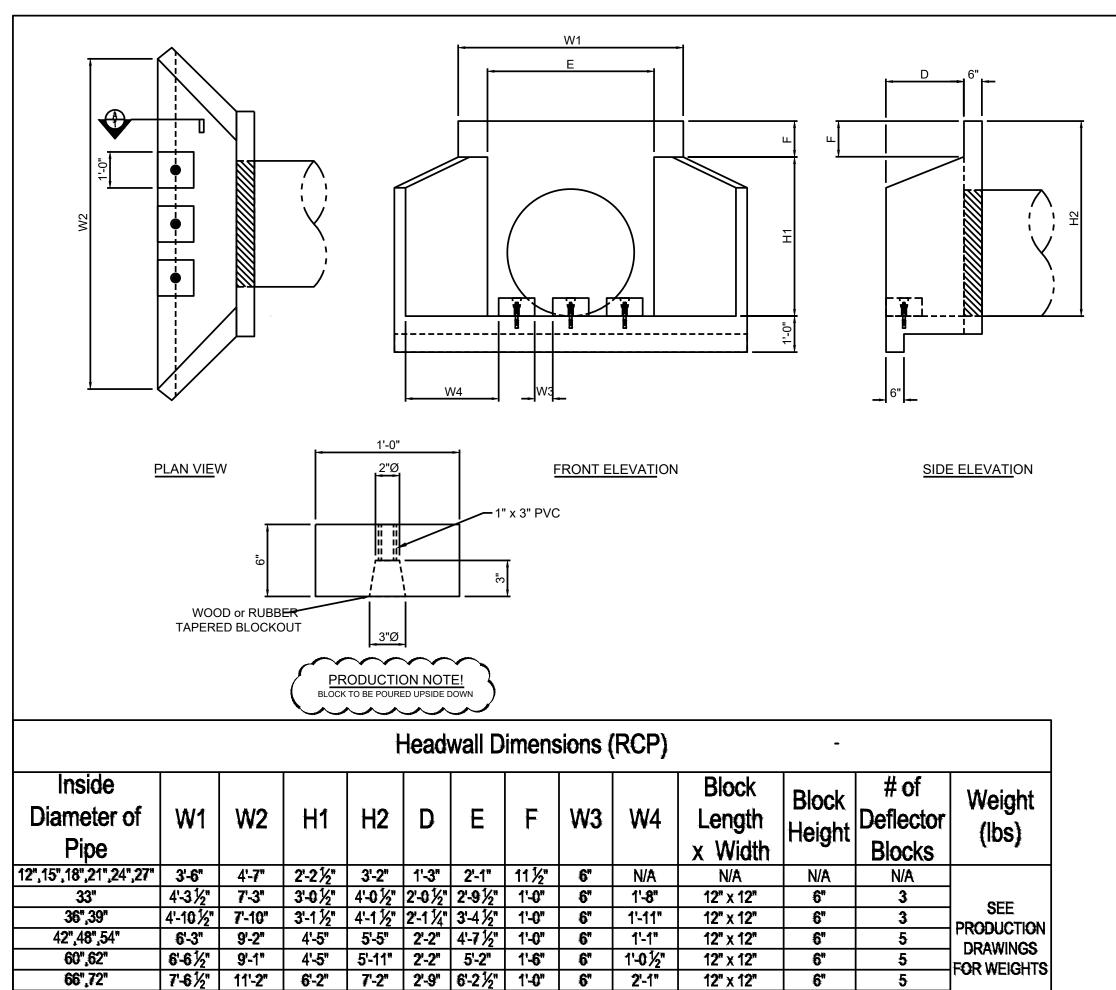
Oldcastle Infrastructure

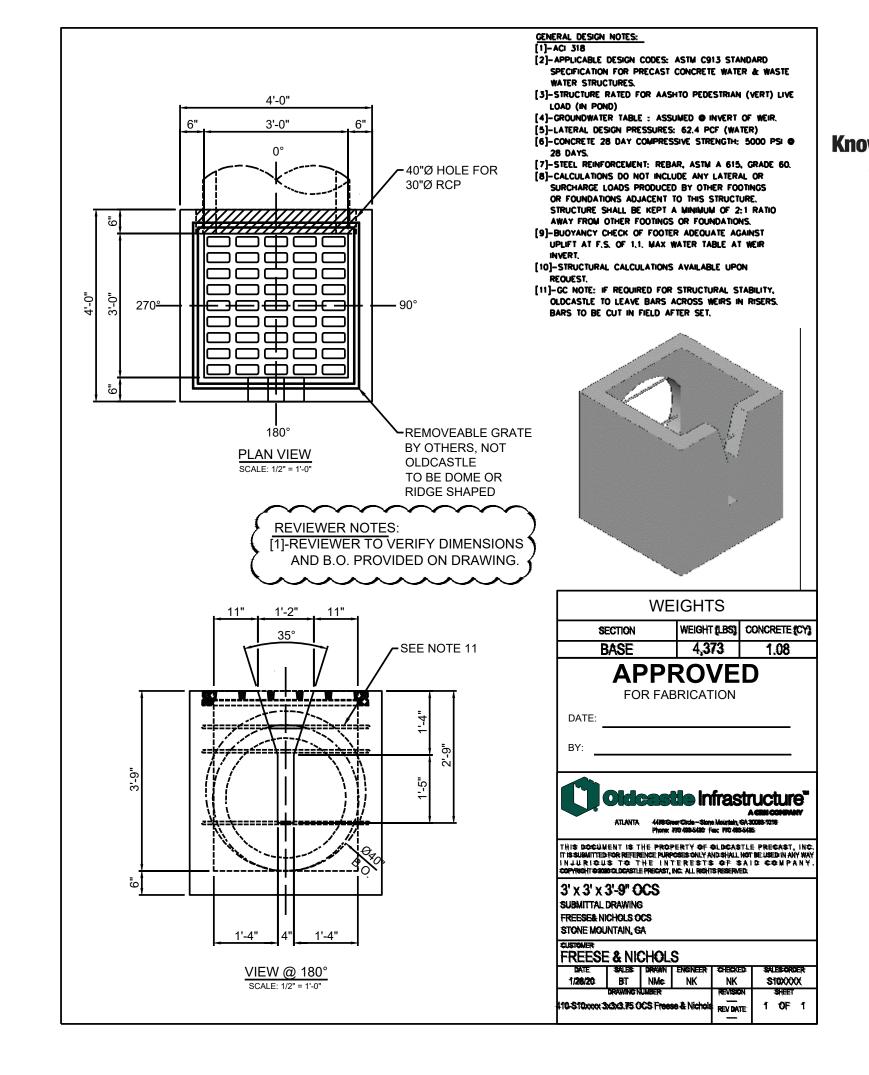
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HEADWALL DISSAPATORS

DATE SALES DRAWN ENGINEER CHECKED
11/15/19 — NMc SB SB

PRODUCTION DRAWING





THIS DETAIL, OR SIMILAR, SHALL BE USED FOR THE PROPOSED OUTLET CONTROL STRUCTURE. A SHOP DRAWING SHALL BE PROVIDED TO THE CITY AND THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.







THIS DETAIL, OR SIMILAR, SHALL BE USED FOR PROPOSED HEADWALL STRUCTURE A-4 SEEN ON SHEET C-2. A SHOP DRAWING SHALL BE PROVIDED TO THE CITY AND THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.



PROJ SEVILLE CHASE
IMPROVEMENTS

DRA

C-5

9'-6" | 13'-8½" | 8'-1½" | 9'-9½" | 2'-9" | 8'-3" | 1'-8" | 6" | 1'-10" |

_____ JAMIE L. JOYNER, P.E. LEVEL II CERTIFIED DESIGN PROFESSIONAL

GSWCC CERTIFICATION NO. 0000076493

ESPCP GENERAL NOTES

THE EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN (ESPCP) IS PROVIDED BY THE DEPARTMENT. IF THE CONTRACTOR ELECTS TO ALTER THE STAGE CONSTRUCTION FORM THAT SHOWN IN THE PLANS, AND THE ENGINEER APPROVES THE REQUEST, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVISE THE ESPCP TO REFLECT ALL CHANGES IN STAGING. THIS WILL ALSO INCLUDE ANY REVISIONS TO EROSION AND SEDIMENTATION CONTROL ITEM QUANTITIES. MAJOR MODIFICATION OR DELETION OF SPECIFIED STRUCTURAL BMP'S THAT ARE SPECIFIED IN THE ESPCP WILL REQUIRE A FORMAL REVISION OF THE ESPCP AND THE SIGNATURE OF A GSWCC LEVEL II DESIGN PROFESSIONAL, ADDITIONAL BMP'S MAY BE ADDED AS DIRECTED BY THE ENGINEER.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLANS DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

DESCRIPTION

THE PROJECT IS LOCATED IN THE CHATTAHOOCHEE RIVER BASIN WITHIN FULTON COUNTY, THE PROJECT DISCHARGES INTO AN UNNAMED TRIBUTARY OF MARSH CREEK.

THE PRE- AND POST-PROJECT CURVE NUMBERS ARE

TOTAL PROJECT AREA = 0.22 ACRES

TOTAL DISTURBED AREA = 0.13 ACRES

TEMPORARY MULCHING

THE DEPARTMENT TYPICALLY REQUIRES DISTURBED AREAS TO BE STABILIZED EVERY 7 DAYS. THE CONSTRUCTION DOCUMENTS, SPECIAL PROVISIONS, OR SPECIFICATIONS MAY REQUIRE MULCHING MORE OFTEN THAN 7 DAYS.

VEGETATION AND PLANTING SCHEDULE

ALL TEMPORARY AND PERMANENT VEGETATIVE PRACTICES INCLUDING PLANT SPECIES. PLANTING DATES, SEEDING FERTILIZER, LIME AND MULCHING RATES FOR THIS PROJECT CAN BE FOUND IN SECTION 700 OF THE CURRENT EDITION OF THE DEPARTMENT'S SPECIFICATIONS AND OTHER APPLICABLE CONTRACT DOCUMENTS, SPECIAL PROVISIONS, OR LANDSCAPING PLANS.

SOIL SERIES INFORMATION

THE NRCS SOIL SURVEY AND SOIL SERIES MAPS ARE AVAILABLE ONLINE AT HTTP: //WEBSOILSURVE.NRCS.USDA.GOV. THE SOIL MAP IS SHOWN ON EXHIBIT Z.

POST-CONSTRUCTION BMP'S

ALL PERMANENT, POST-CONSTRUCTION BMP'S ARE SHOWN IN THE CONSTRUCTION PLANS AND IN THE ESPCP PLAN. THE POST-CONSTRUCTION BMP'S FOR THIS PROJECT MAY CONSIST OF PERMANENT VEGETATION, RIP-RAP AT PIPE OUTLETS FOR VELOCITY DISSIPATION AND OUTLET STABILIZATION. CHANNEL/DITCH STABILIZATION WITH TURF REINFORCING MATS, RIP-RAP WHERE NECESSARY. THE POST-CONSTRUCTION BMP'S WILL PROVIDE PERMEANT STABILIZATION OF THE SITE AND PREVENT ACCELERATED TRANSPORTATION OF SEDIMENT AND POLLUTANTS INTO RECEIVING WATERS.

SILT FENCE INSTALLATIONS WITH J-HOOKS AND SPURS SILT FENCE SHOULD NEVER RUN CONTINUOUS WITHOUT J-HOOKS OR SPURS. THE SILT FENCE SHOULD TURN BACK INTO THE FILL OR SLOPE TO CREATE SMALL POCKETS THAT TRAP SILT AND FORCE STORMWATER TO FLOW THROUGH THE SILT FENCE. THIS TECHNIQUE OR CONFIGURATION IS COMMONLY REFEREED TO AS J-HOOKS OR SPURS. THE J-HOOKS OR SPURS THAT SHALL BE INSTALLED ON ALL SILT FENCES THAT ARE LOCATED AROUND THE PERIMETER OF THE PROJECT AND ALONG THE TOE OF EMBANKMENTS OR SLOPES. THE J-HOOKS AND SPURS SHALL BE SPACED IN ACCORDANCE WITH THE TYPICAL LOCATION DETAILS FOR SILT FENCES / BALED STRAW. SPACING FOR J-HOOKS OR SPURS SHALL NOT BE LESS THAN 50 FEET EXCEPT AS NOTED. SILT FENCES THAT ARE NEAR THE OUTLET OF CULVERTS, CROSS DRAINS, AND STORM DRAINS SHALL HAVE A MINIMUM OF 3 J-HOOKS OR SPURS ON BOTH SIDES OF THE STRUCTURE AT SPACING NOT TO

EXCEED 30 FEET. J-HOOKS OR SPURS SHALL BE PAID

FOR AS SILT FENCE ITEMS PER FOOT. ALL COSTS AND

OTHER INCIDENTAL ITEMS ARE INCLUDED IN COST OF

INSTALLING AND MAINTAINING THE SILT FENCE.

MAINTENANCE AND STABILIZATION MEASURES AS A MINIMUM THE CONTRACTOR SHALL COMPLETE THE PERMANENT GRASSING, OR TEMPORARY GRASSING, OR MULCHING, AS APPROPRIATE AND IN ACCORDANCE WITH CONTRACT DOCUMENTS+, ON ALL CUT AND FILL SLOPES ON A WEEKLY BASIS DURING GRADING OPERATIONS, EXCEPT PROJECTS WITH A TOTAL OF 3 ACRES OR LESS OF GRASSING MAY BE TREATED EVERY TWO WEEKS. WHEN CONDITIONS WARRANT, THE ENGINEER MAY REQUIRE MORE FREQUENT INTERVALS FOR THIS WORK. IT IS EXTREMELY IMPORTANT TO GET A STABILIZING COVER IN PLACE, WHETHER IT IS MULCH, TEMPORARY GRASS OR PERMANENT GRASS. ADEQUATE

WHEN GRADING OPERATIONS OR OTHER SOIL

DISTURBING ACTIVITIES HAVE BEEN SUSPENDED, FOR

PERFORM NEEDED GRASSING WORK AND/OR EROSION

TEMPORARY GRASS SHALL BE USED WHEN REQUIRED

BY THE CONTRACT DOCUMENTS OR AS DIRECTED BY

THE ENGINEER TO CONTROL EROSION IN AREAS WHERE

TEMPORARY GRASS SHALL BE USED WHERE AN AREA

AFTER 60 CALENDAR DAYS, AREAS WITH ONLY MULCH

SPECIES SUITABLE TO THE AREA AND SEASON. SEEDS

SHALL CONFORM TO THE REQUIREMENTS OF CONTRACT

DOCUMENTS. SEEDING SHALL BE DONE IN ACCORDANCE

SHALL BE THE MINIMUM REQUIRED TO PROVIDE A SEED

AREAS THAT REQUIRE NO FURTHER GRADING SHALL BE

AREA WILL LATER BE PLANTED IN PERMANENT GRASS

WITHOUT FURTHER GRADING; IN WHICH CASE, LIME WILL

MUST BE PROTECTED FOR LONGER THAN MULCH IS

EXPECTED TO LAST WHICH IS 60 CALENDAR DAYS.

SHALL BE PLANTED WITH TEMPORARY GRASS AND

TEMPORARY GRASS SHALL BE A QUICK GROWING

DOCUMENTS, EXCEPT THAT GROUND PREPARATION

BED WHERE FURTHER GRADING WILL BE REQUIRED.

PREPARED IN ACCORDANCE WITH THE CONTRACT

DOCUMENTS, MIXED GRADE FERTILIZER SHALL BE

SHALL BE OMITTED IF A LEGUME IS USED. ALL

ALL AREAS WHERE TEMPORARY GRASS HAS BEEN

PLANTED SHALL BE PREPARED IN ACCORDANCE WITH

WHERE STAGED CONSTRUCTION (OR OTHER CONDITIONS

NOT CONTROLLED BY THE CONTRACTOR) PROHIBITS THE

CONTINUOUS MANNER, THE CONTRACTOR SHALL APPLY

CALENDAR DAYS OR LESS. AFTER 60 CALENDAR DAYS.

MULCH SHALL BE APPLIED AND UNIFORMLY SPREAD IN

WHEN GRASSING OPERATIONS BEGIN, MULCH SHALL BE

LEFT IN PLACE AND PLOWED INTO THE SOIL DURING

THE PROCESS OF SEEDBED PREPARATION, THEREBY

BECOMING BENEFICIAL PLANT FOOD FOR THE NEWLY

PLANTED GRASS. MULCH REQUIRED FOR PROTECTION OF

NEWLY PLANTED GRASS SHALL BE IN ADDITION TO THE

WHERE ATTAINABLE, LOCATE WASTE COLLECTION AREAS,

SECONDARY CONTAINMENT SHALL BE PROVIDED AROUND

LIQUID WASTE COLLECTION AREAS TO MINIMIZE THE

CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE

STATE AND LOCAL WASTE STORAGE AND DISPOSAL

SOLID MATERIALS, INCLUDING BUILDING MATERIALS,

EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

NON-STORM WATER DISCHARGES AS DEFINED IN PART

CONSTRUCTION HAS COMMENCED AND SHALL BE

SUBJECT TO THE SAME REQUIREMENTS AS STORM

WATER DISCHARGES AS REQUIRED BY THE GEORGIA EROSION AND SEDIMENTATION CONTROL ACT, THE

NPDES PERMIT, THE CLEAN WATER ACT, THE MANUAL

DEPARTMENT STANDARDS, AND CONTRACT DOCUMENTS.

ANY PUMPED DISCHARGES FROM AN EXCAVATION OR

APPROPRIATELY SIZED SEDIMENT BASIN, SILT FILTER

SUITABLE BMP'S. A ROCK FILTER DAM WILL BE UTILIZED

DISTURBED AREA SHALL BE ROUTED THROUGH AN

BAG OR SHALL BE TREATED EQUIVALENTLY WITH

NO SEDIMENT BASINS ARE WARRANTED ON THIS

PROJECT AS PER THE GA DETAIL "UNIFORM CODE

SYSTEM FOR SOIL EROSION AND SEDIMENT CONTROL".

FOR EROSION AND SEDIMENT CONTROL IN GEORGIA,

DE-WATERING ACTIVITIES AND USE OF PUMPS

III.A.2 OF THE NPDES PERMIT WILL BE IDENTIFIED AFTER

REGULATIONS, AND OBTAIN ALL NECESSARY PERMITS.

SHALL NOT BE DISCHARGED TO WATERS OF THE STATE,

LIKELIHOOD OF CONTAMINATED DISCHARGES. THE

DUMPSTERS, TRASH CANS, AND PORTABLE TOILETS AT

LEAST 50 FEET AWAY FROM STREETS, GUTTERS,

WATERCOURSES AND STORM DRAINS

NON-STORM WATER DISCHARGES

ON THIS PROJECT.

SEDIMENT BASINS

MULCH TO CONTROL EROSION FOR A PERIOD OF 60

AREAS STABILIZED WITH ONLY MULCH SHALL BE

PLANTED WITH TEMPORARY GRASS AND MULCHED

TEMPORARY GRASS SHALL BE MULCHED IN

ACCORDANCE WITH CONTRACT DOCUMENTS.

CONTRACT DOCUMENTS PRIOR TO PLANTING

COMPLETION OF A ROADWAY SECTION IN A

ACCORDANCE WITH CONTRACT DOCUMENTS.

PERMANENT GRASS.

MULCH SPECIFIED HEREIN.

WASTE DISPOSAL

APPLIED AT THE RATE OF 1300-1500 POUNDS PER

ACRE DEPENDING ON SEASON AND GRASS. NITROGEN

DOCUMENTS. LIME SHALL BE OMITTED UNLESS THE

WITH THE REQUIREMENTS OF THE CONTRACT

BE APPLIED ACCORDING TO THE CONTRACT

BY THE CONTRACTOR OR AS DIRECTED BY THE

PERMANENT GRASSING CANNOT BE PLANTED.

CONTROL WORK AS SHOWN IN THE PLANS, SUBMITTED

WHATEVER REASON THE CONTRACTOR SHALL PROMPTLY

MULCH IS A MUST.

ENGINEER.

MULCHED AGAIN.

OTHER CONTROLS

SPECIFICATIONS.

THE CONTRACTOR SHALL FOLLOW THIS ESPC PLAN AND ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS. THE CONTRACTOR SHALL CONTROL DUST FROM THE SITE IN ACCORDANCE WITH SECTION 171 OF THE

THE DISTURBED ACREAGE WITHIN THE DRAINAGE AREA IS 0.13 ACRES. THE DISTURBANCE ACTIVITIES CONSIST

OF THE CONSTRUCTION OF CATCH BASINS, AN OUTFALL

PIPE, AND A RIP RAP BASIN, THE BMP, AS SHOWN ON

THE EROSION CONTROL PLANS WILL BE ADEQUATE TO

OUTFALLS. LAND DISTURBANCE ACTIVITIES ASSOCIATED

WITH CONSTRUCTION AND REMOVING A SEDIMENT BASIN

CONTROL SEDIMENT RUNOFF PRIOR TO THE PROJECT

WOULD CAUSE ADDITIONAL ADVERSE IMPACT TO THE

EXISTING STREAM AND STREAM BUFFER.

CURRENT EDITION OF THE DEPARTMENT'S

SEQUENCE OF MAJOR ACTIVITIES

THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING THE CONSTRUCTION SCHEDULE FOR THE PROJECT. A COPY OF THE CONSTRUCTION SCHEDULE SHALL BE MAINTAINED AT THE PROJECT SITE. THE PROJECT IS EXPECTED TO BE COMPLETED IN 30 WORKDAYS. IN GENERAL THE FOLLOWING SEQUENCE OF EROSION AND SEDIMENT CONTROLS WILL BE IMPLEMENTED:

PHASE 1 DEMOLITION AND CLEARING. THE FOLLOWING SHALL APPLY DURING THIS PHASE:

- A. INSTALL PERIMETER SILT BARRIER AND TREE PROTECTION AS REQUIRED.
- B. INSTALL MULCH AS NEEDED TO PREVENT EROSION.
- C. INSTALL ROCK FILTER DAM AND SANDBAGS AS SHOWN. DEWATER AS REQUIRED.

PHASE 2 GRADING, INFRASTRUCTURE CONSTRUCTION/INSTALLATION. THE FOLLOWING SHALL APPLY DURING THIS PHASE:

- A. CONSTRUCT CURB INLETS, DROP INLETS, OUTLET CONTROL STRUCTURE(S), AND PIPES PER CONSTRUCTION PLANS. CIPP LINE PIPES AS DIRECTED. INSTALL AND MAINTAIN INLET SEDIMENT TRAPS AS REQUIRED.
- B. WHENEVER A SILT CONTROL FACILITY IS REMOVED BECAUSE OF CHANGING SITE CONDITIONS IT SHALL BE REPLACED WITH ANOTHER MEASURE THAT WILL BE PART OF THE PROGRAM OF SILT AND EROSION CONTROL.
- C. INSTALL MULCH AND TEMPORARY SEEDING AS NEEDED TO PREVENT EROSION.

PHASE 3 FINISH GRADING AND LANDSCAPING. THIS IS THE FINAL STAGE WHEN ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES WILL BE PHASED OUT. THE FOLLOWING WILL APPLY TO THIS PHASE:

- A. ALL FACILITIES FROM PHASE 1 THROUGH PHASE 2 WILL BE MAINTAINED AS APPROPRIATE AND REMOVED WHEN NEED NO LONGER EXISTS.
- B. MILL AND REPAIR TRENCHES AS PER CONSTRUCTION PLANS.
- C. ONCE ALL DISTURBED AREAS HAVE BEEN STABILIZED, REMOVE ALL ACCUMULATED SILT.

D. LANDSCAPING/SEEDING: REFER TO DETAIL SHEETS FOR ACTUAL REQUIREMENTS FOR THE INSTALLATION OF LIME, FERTILIZER, SEED, AND MULCH. GRASSING OPERATIONS SHALL BE DONE THROUGHOUT CONSTRUCTION PROCESS AT THOSE TIMES WHEN PORTIONS OF THE SITE ARE FINISHED AND READY FOR PERMANENT GROUND COVER. THIS WILL REQUIRE MULTIPLE EFFORTS BY THE CONTRACTOR TO STABILIZE ALL IMPACTED AREAS OF THE SITE IN AN ORDERLY FASHION, NO AREA OF THE SITE THAT HAS RECEIVED FINAL GRADE SHALL BE LEFT FOR MORE THAN SEVEN (7) DAYS WITHOUT THE APPLICATION OF SEED AND MULCH.

NON-EXEMPT ACTIVITIES ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OF WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

A BUFFER VARIANCE IS NOT REQUIRED FOR THIS PROJECT AS IT IS A ROADWAY MAINTENANCE ACTIVITY.

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST STAND ALONE CONSTRUCTION PROJECTS

SWCD:___FULTON_ Project Name: Seville Chase Drainage Improveme Address: 70 Seville Chase, Sandy Springs, Georgia

City/County:_Sandy Springs/Fulton County, Georg Date on Plans:_February 6, 2020 Name & email of person filling out checklist: Jamie Jovner (jamie.jovner@freese.com

Maille (x eman o	i person minig out checkirstjainie joyner (jainie.joyner@freese.com
Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
C-6	Υ	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
N/A	N/A	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed)
N/A	N/A	3 Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist. *

COVER Y 4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls. 5 Provide the name, address, email address, and phone number of primary permittee C-6 Y 6 Note total and disturbed acreage of the project or phase under construction.

(A copy of the written approval by EPD must be attached to the plan for the Plan to be reviewed.)

7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees. 8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions. 9 Description of the nature of construction activity.

COVER 10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary. 11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.

C-6 Y 12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 19 of the permit N/A N/A 13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 19 of the permit.

N/A N/A 14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." in accordance with Part IV.A.5 page 25 of the permit. C-6 Y 15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot

undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits. 16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.

N/A N/A 17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." * N/A N/A 18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as

authorized by a Section 404 permit." * C-6 Y 19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."

C-6 Y 20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."

C-6 Y 21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding." N/A N/A 22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile

upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the permit Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. * N/A N/A 23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in

Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. * N/A N/A 24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout

of the drum at the construction site is prohibited. * N/A N/A 25 Provide BMPs for the remediation of all petroleum spills and leaks. N/A N/A 26 Description of the measures that will be installed during the construction process to control pollutants in storm

water that will occur after construction operations have been completed. * N/A N/A 27 Description of practices to provide cover for building materials and building products on site. N/A N/A 28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *

C-6 Y 29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).

N/A N/A 30 Provide complete requirements of inspections and record keeping by the primary permittee. N/A N/A 31 Provide complete requirements of sampling frequency and reporting of sampling results. * N/A N/A 32 Provide complete details for retention of records as per Part IV.F. of the permit

N/A N/A 33 Description of analytical methods to be used to collect and analyze the samples from each location. * N/A N/A 34 Appendix B rationale for NTU values at all outfall sampling points where applicable. N/A N/A 35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which

N/A N/A 36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine

ALL Y 37 Graphic scale and North arrow.

storm water is discharged.

all of the BMPs into a single phase.



C-7,8,9 Y 38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

N/A N/A 39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at N/A N/A 40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual

Contour Intervals, ft.

0.5 or 1

1 or 2

2,5 or 10

for Erosion & Sediment Control in Georgia 2016 Edition. * C-1 Y 41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional

Flat 0 - 2%

Rolling 2 - 8%

Steep 8% +

buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact C-1 Y 42 Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site. C-11 Y 43 Delineation and acreage of contributing drainage basins on the project site. C-11 | Y 44 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.

C-4 Y 46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.

45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are

C-11 Y 47 Soil series for the project site and their delineation. C-7,8,9 Y 48 The limits of disturbance for each phase of construction.

1 inch = 100 ft or

larger scale

N/A N/A 49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible,

a written justification explaining this decision must be included in the Plan. C-7,8,9 Y 50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with

N/A N/A 51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.

C-7,8,9 Y 52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.

* If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the * checklist items would be N/A.

Effective January 1, 2020



24 HOUR CONTACT

THE 24 HR EMERGENCY CONTACT NUMBER FOR THE CITY OF SANDY SPRINGS IS 770-730-5600

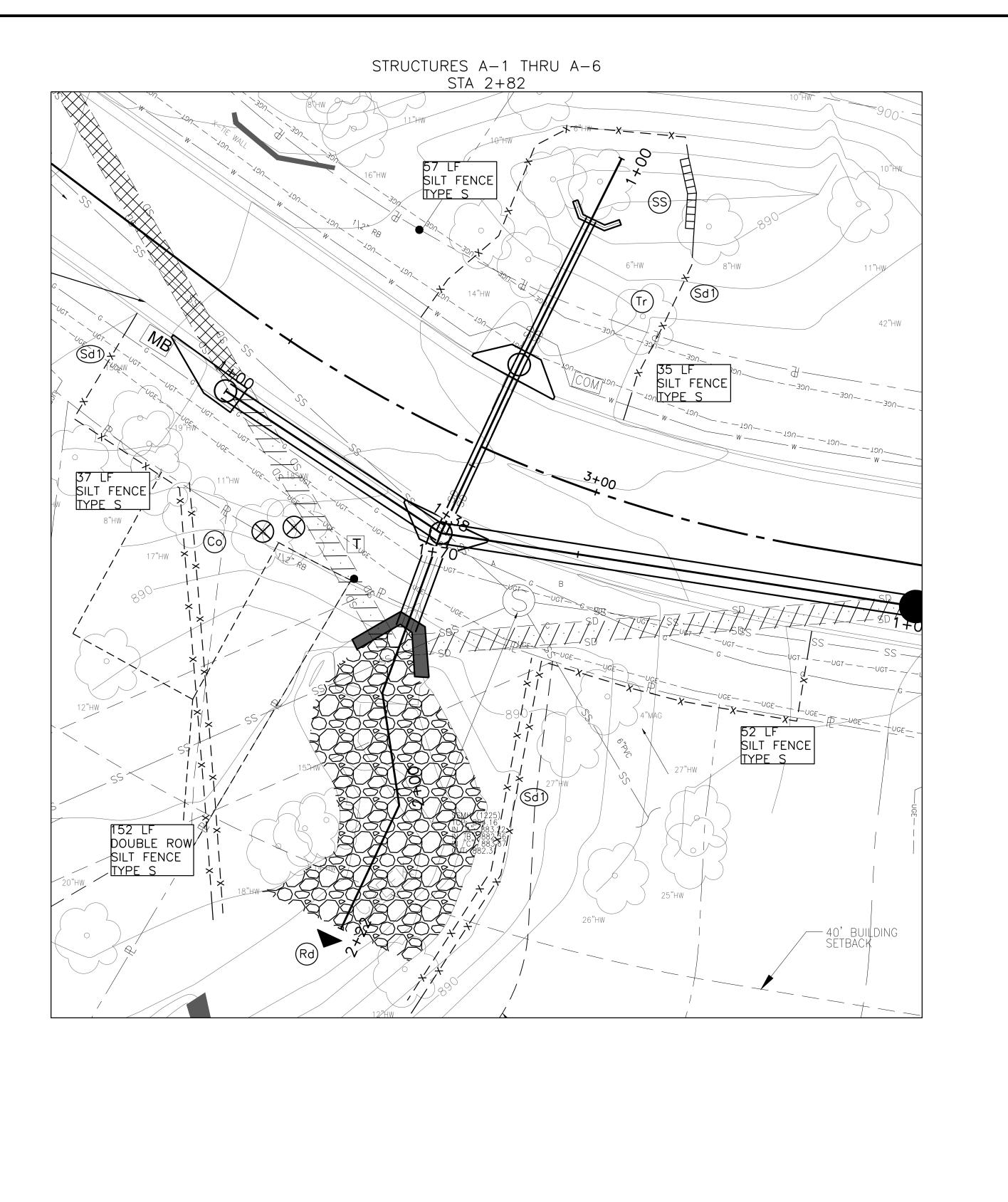
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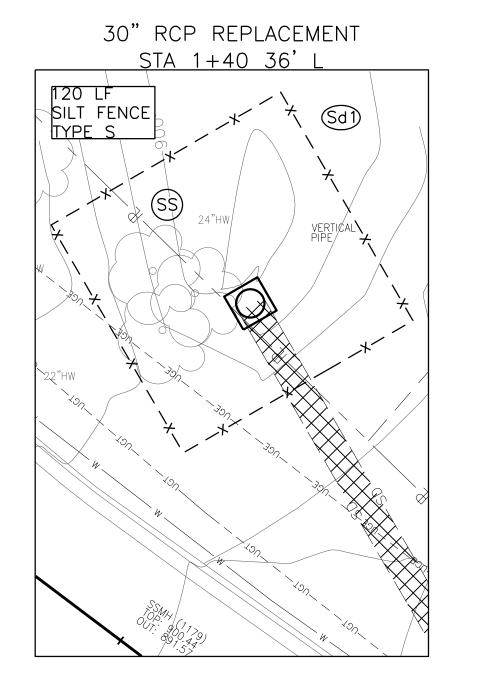
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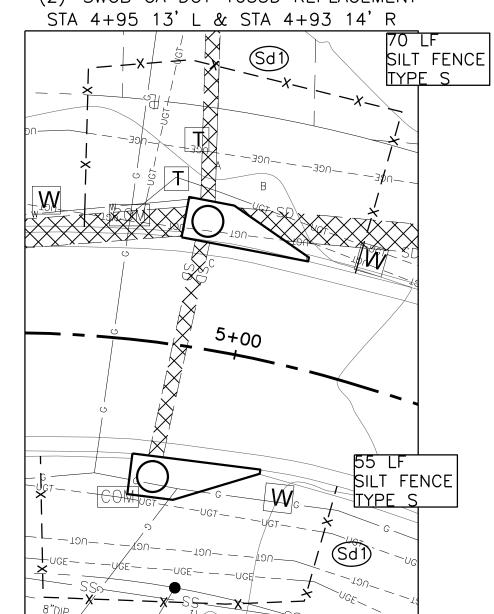


GA DOT 1001B

STA 4+88 119'

SILT FENCE

TYPE S

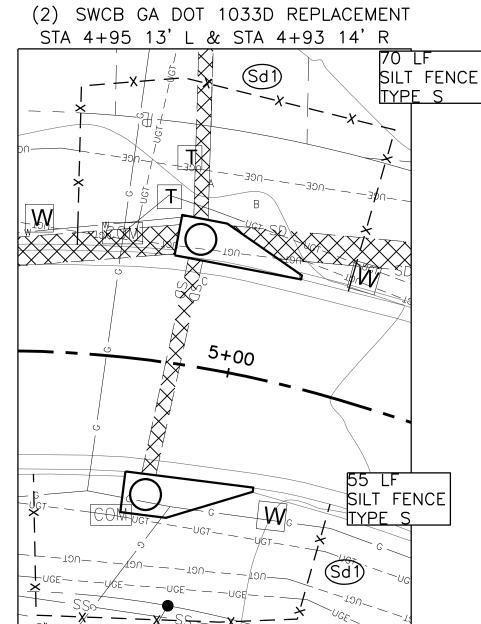


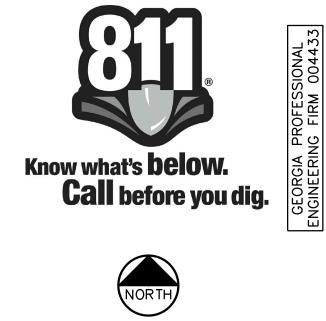
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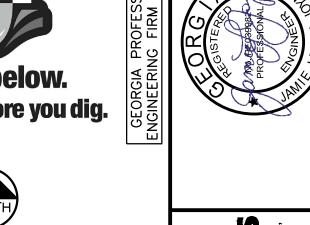
120 LF

SILT FENCE TYPE S

STA 6+90 141'







SCALE IN FEET HORIZONTAL

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24 HOUR CONTACT

SANDY SPRINGS

Permitted

Date: 04/27/2020

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PERMIT # PW20-00014R1

THE 24 HR EMERGENCY CONTACT NUMBER FOR THE CITY OF SANDY SPRINGS IS 770-730-5600

LEGEND:

DISTURBED AREA STAB — MULCH

DISTURBED AREA STAB - PERM DISTURBED AREA STAB — SOD

EROSION CONTROL MATS

SILT FENCE - TYPE S \boxtimes $\mathbb{S}d2-P$ INLET SEDIMENT TRAP

ROCK FILTER DAM

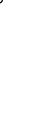
HAY BALES

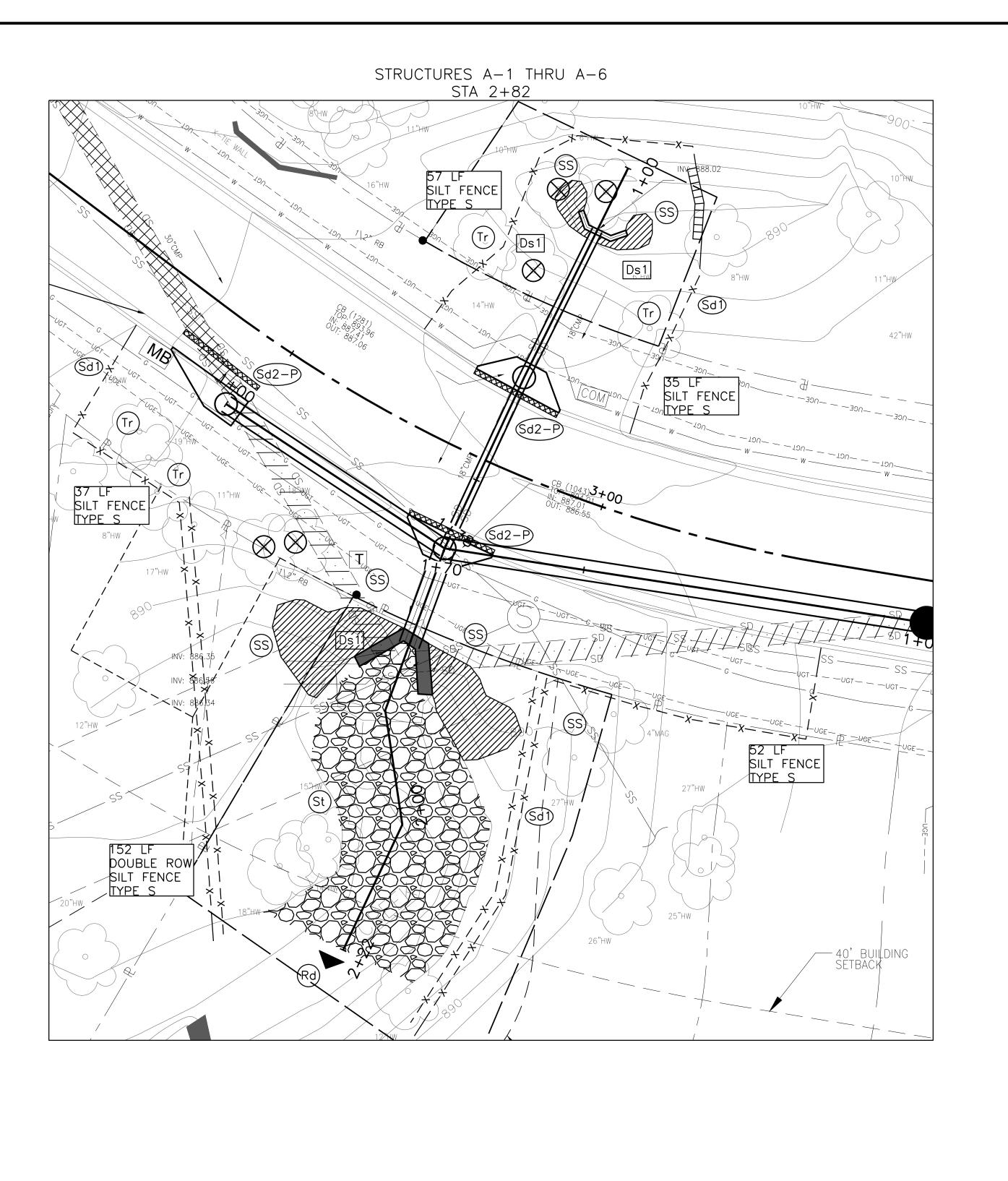
TREE PROTECTION

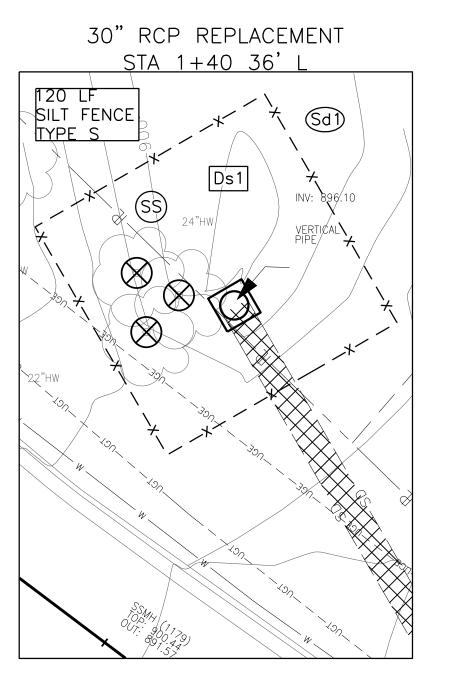
RIP RAP APRON/STORM DRAIN OUTLET PROTECTION

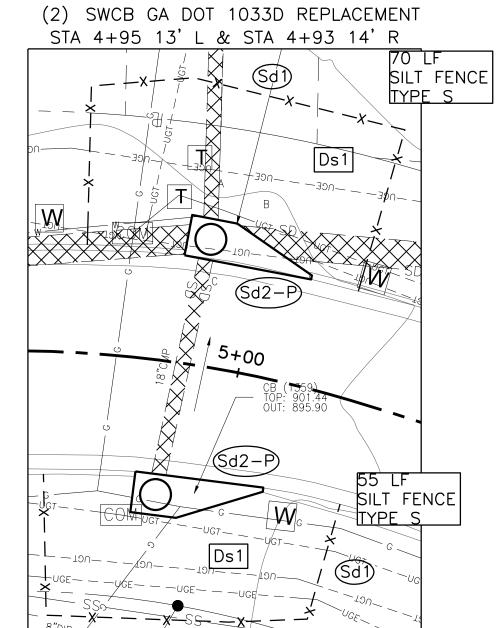
TREE REMOVAL

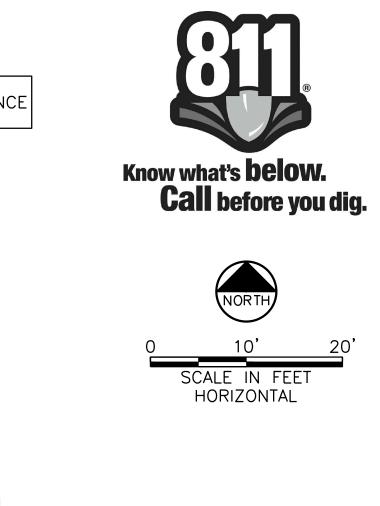
CONSTRUCTION ENTRANCE/EXIT

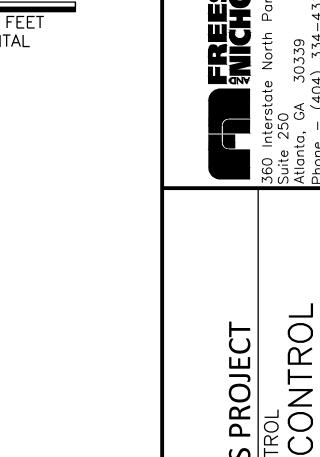








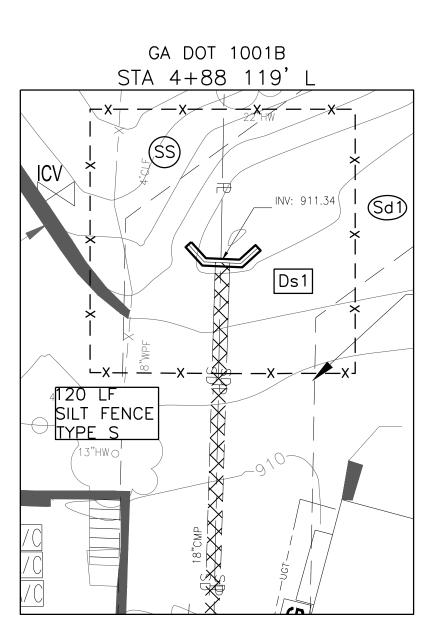


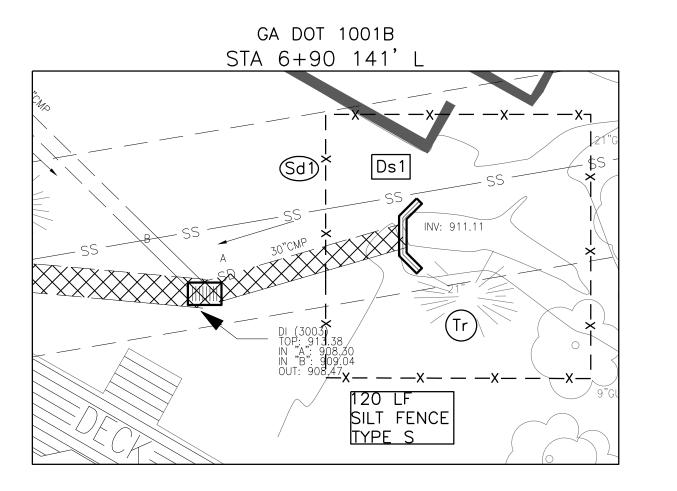


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LEGEND:

Ds1 DISTURBED AREA STAB - MULCH

Ds3 DISTURBED AREA STAB — PERM
Ds4 DISTURBED AREA STAB — SOD

SILT FENCE - TYPE S

SS EROSION CONTROL MATS

Sd2-P INLET SEDIMENT TRAP

(Rd) ROCK FILTER DAM

HAY BALES

Tr) TREE PROTECTION

RIP RAP APRON/STORM DRAIN OUTLET PROTECTION

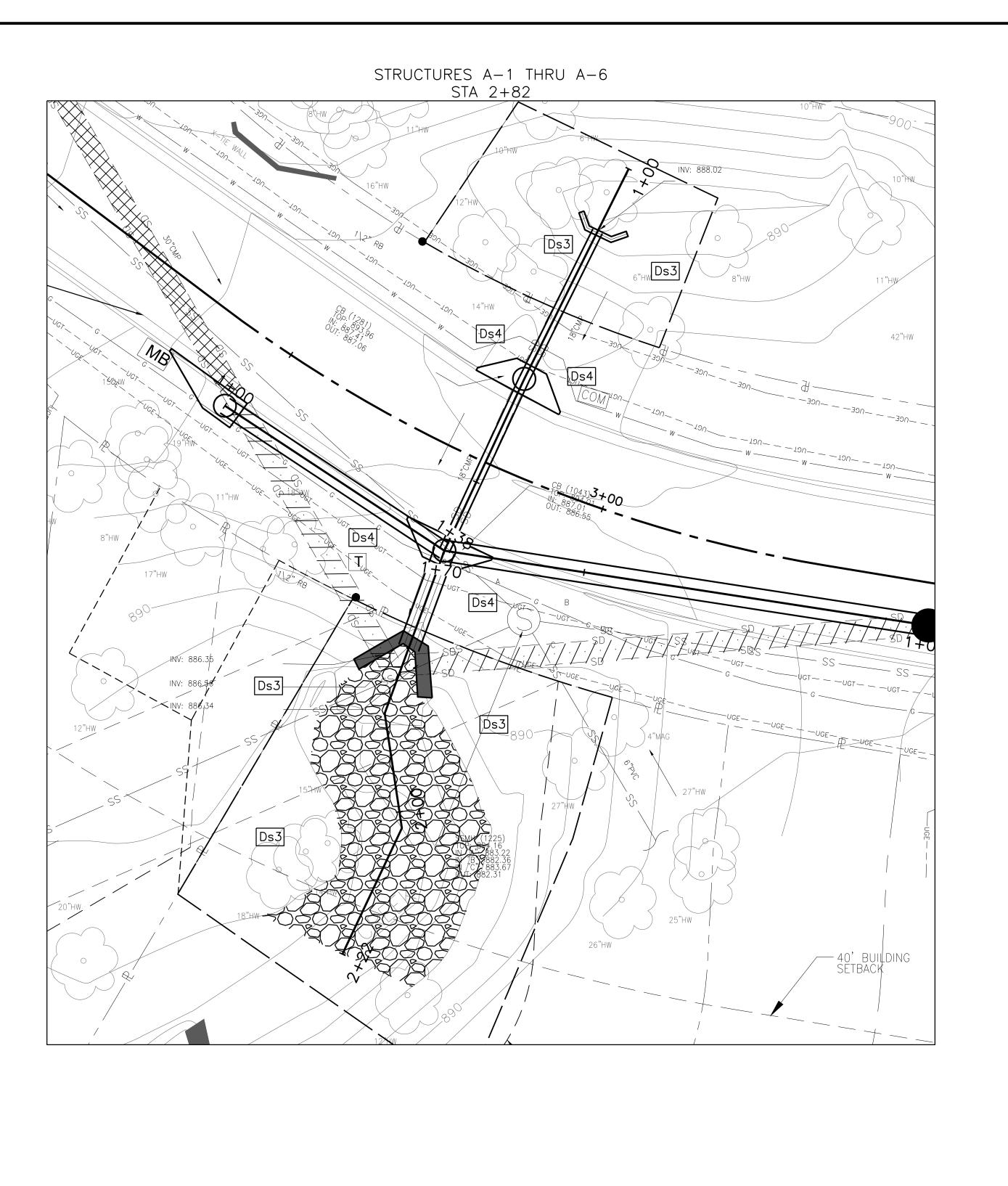
TREE REMOVAL

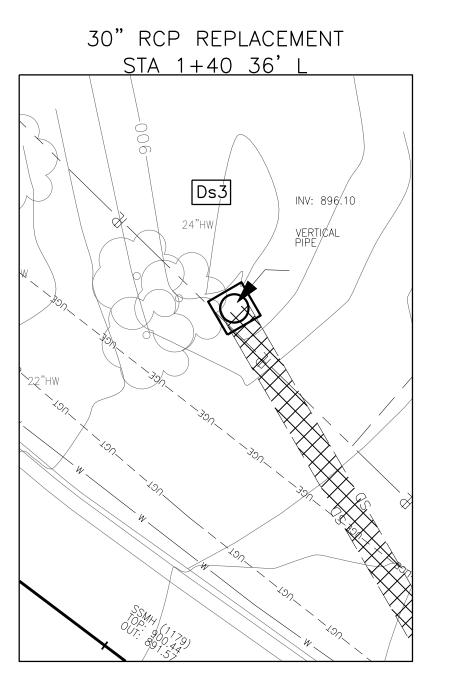


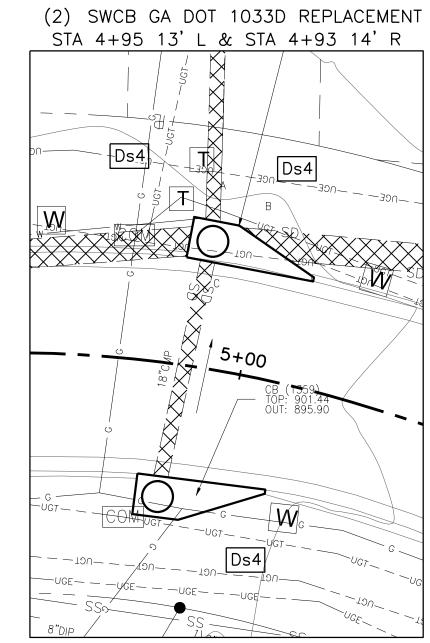
24 HOUR CONTACT

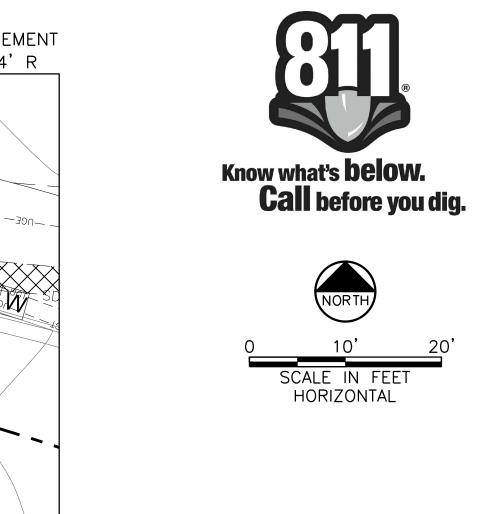
THE 24 HR EMERGENCY CONTACT NUMBER FOR THE CITY OF SANDY SPRINGS IS 770-730-5600

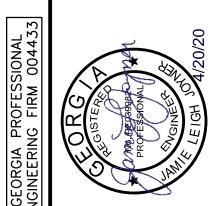
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CONTROL

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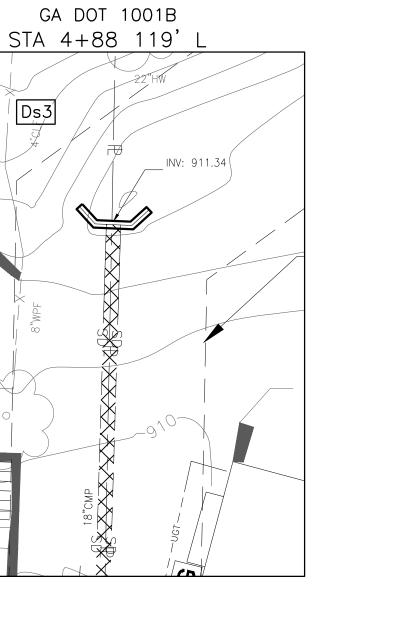
SANDY SPRINGS

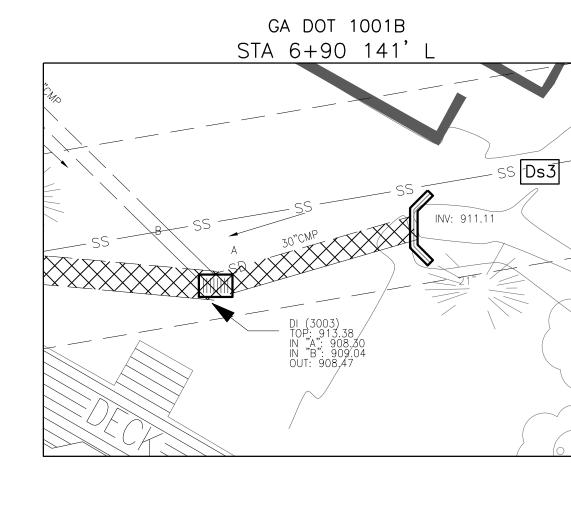
Date: 04/27/2020

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PERMIT # PW20-00014R1

THE 24 HR EMERGENCY CONTACT NUMBER FOR THE CITY OF SANDY





LEGEND:

DISTURBED AREA STAB - MULCH

DISTURBED AREA STAB - PERM

DISTURBED AREA STAB — SOD EROSION CONTROL MATS

SILT FENCE - TYPE S \boxtimes $\mathbb{S}d2-P$ INLET SEDIMENT TRAP

ROCK FILTER DAM

TREE PROTECTION

RIP RAP APRON/STORM DRAIN OUTLET PROTECTION

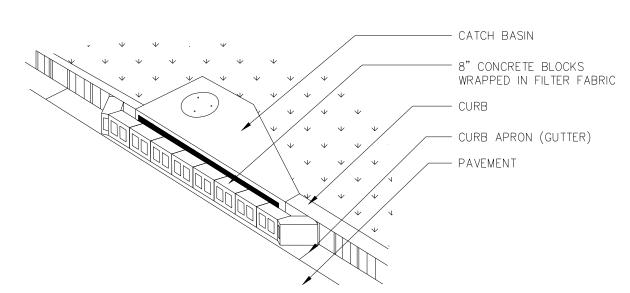
TREE REMOVAL



HAY BALES

24 HOUR CONTACT

SPRINGS IS 770-730-5600

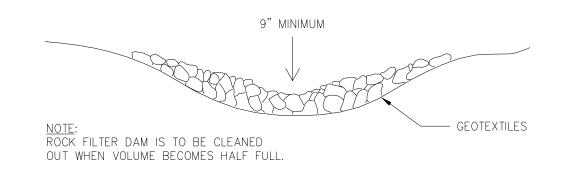


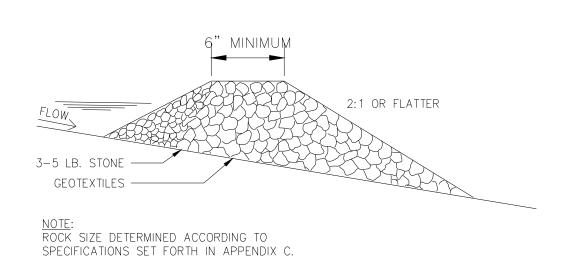


"SNOW" FENCE

<u>PLAN</u>

CROSS-SECTION





ROCK FILTER DAM



Know what's **below. Call** before you dig.

SANDY SPRINGS

Date: 04/27/2020

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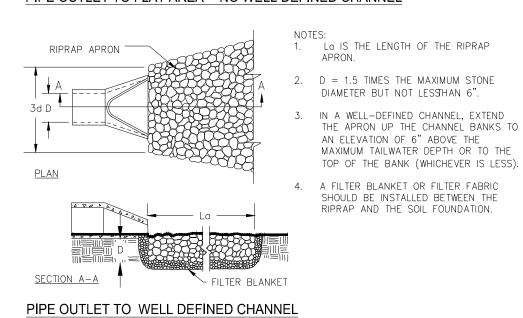
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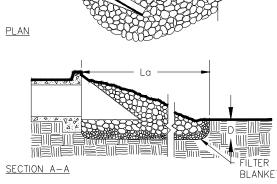
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RIPRAP OUTLET PROTECTION

PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL







RIP RAP OUTLET PROTECTION DIMENSIONS |La = 35' |W1 = 9'|W2 = 38'Do = 36" TYPE 1 RIP RAP TO BE USED

PERMIT # PW20-00014R1 These plans were NOT reviewed with respect to any building codes or structural design. Code compliance and structural integrity are the responsibility of the owner and builder. The building permit is subject to all City of Sandy Springs ordinances and Georgia State UPSTREAM TERMINAL TRANSVERSE CHECK SLOT DOWNSTREAM TERMINAL STEP 2: SNUG MAT INTO SLOT. STEP 2: WORK UPSTREAM ACROSS CHECK SLOT AND LAP BACK 15".

1. SCARIFY, PIT OR RENCH SEALED OR CRUSTED SOIL.

SQ. FT. WHEN PLANTED WITH OTHER PERENNIALS.

SHOULD BE PLANTED 1/4" - 1/2" DEEP.

TO THE EXTENT TO CAUSE EROSION.

(WITH PERMANENT SEEDING)

TONS PER ACRE.

B. USE 1" X 3" PRESSURE TREATED BOARD TO SPACE MAT AGAINST VERTICAL CUT.

C. BACKFILL AND COMPACT.

2. APPLY TALL FESCUE SEED AT A RATE OF 1.1 LBS PER 1000 SQ.FT

WHEN PLANTED ON ITS OWN. APPLY AT A RATE OF 30 LBS PER 1000

3. FIRST PLANTING YEAR FERTILIZER APPLICATION FOR TALL FESCUE

SHOULD BE USING 6-12-12 (N-P-K) AT A RATE OF 1500 LBS/ACRE. N

TOP DRESSING RATE SHOULD BE 50-100 LBS/ACRE. CONTRACTOR

A RATE OF 1 TO 2 TONS PER ACRE. APPLY SEED BY HAND, CYCLONE

SEEDER, DRILL OR HYDRO-SEEDER. SEED PLANTED WITH A DRILL

5. STRAW OR HAY MULCH SHALL BE APPLIED AT A RATE OF 2 OR 2.5

6. IRRIGATION SHOULD BE USED TO SUPPLEMENT RAINFALL, BUT NOT

"Ds3" - DISTURBED AREA STABILIZAITON

MAY ALTERNATIVELY FERTILIZE BASED ON SOIL TEST RESULTS. 4. APPLY AGRICULTURAL LIME AS PRESCRIBED BY SOIL TESTS OR AT

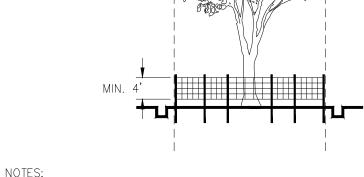
A. REVERSE MAT ROLL DIRECTION TO OVERLAY CHECK LOT.

B. STAKE MAT TO ANCHOR TERMINAL. STREAM OVER REFILLED TERMINAL STAKE MAT DOWN TO ANCHOR PULL OUT TEMPORARY STAKES WHEN NO LONGER NEEDED FOR TENSIONING. B. TERMINAL.
C. PROGRESS UPSTREAM WITH ROLL. SEQUENTIAL ROLL RUN OUT IN PICTORAL VIEW OF TRANSVERSE SLOT <u>NOTES:</u> 1. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID-CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND THE FIRST ROLL. USE THE CENTER ROLL FOR ALIGNMENT TO THE CHANNEL CENTER. WORK OUTWARDS FROM THE CHANNEL CENTER TO THE EDGE. USE 3" OVERLAPS AND STAKE AT 5' INTERVALS ALONG THE 6. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT THE LINING AT THE ROLL ENDS.

STEP 3: TUCK MAT LAP INTO SLOT AND STAKE.

BLANKET AND MATTING CROSS-SECTIONS

TYPICAL INSTALLATION GUIDELINES FOR ROLLED **EROSION CONTROL PRODUCTS (RECP)**

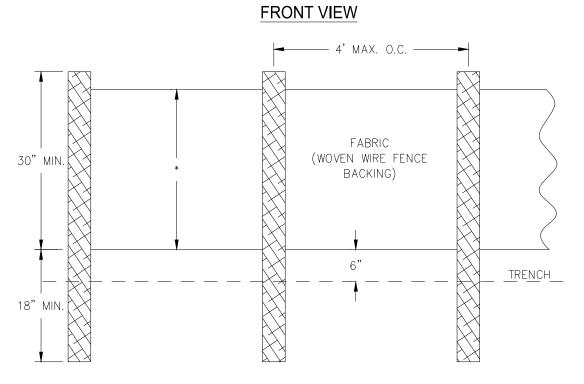


1. USE TRENCHER (I.E. DITCH WHICH) TO CUT A 4"-5" W X 18" D TRENCH ALONG DRIP LINE (LIMIT OF CLEARING) AND BACKFILL WITH SAND AND LIGHTLY COMPACT.

- 2. SPACE STAKES AT INTERVALS SUFFICIENT TO MAINTAIN ALL FENCING OUT OF DRIP LINE OR AS SHOWN BY ENGINEER (SET STAKES NO GREATER THAN 6 FEET ON CENTER-REBAR IS NOT TO BE USED FOR STAKES). 3. MAINTAIN FENCE BY REPAIRING AND/OR REPLACING DAMAGED FENCE. DO NOT
- REMOVE FENCING PRIOR TO LANDSCAPING OPERATIONS. 4. DO NOT STORE OR STACK MATERIALS, EQUIPMENT, OR VEHICLES WITHIN FENCED

TREE PROTECTION

5. FENCE SHALL BE ORANGE VINYL "SNOW FENCE" 4' HIGH MINIMUM.

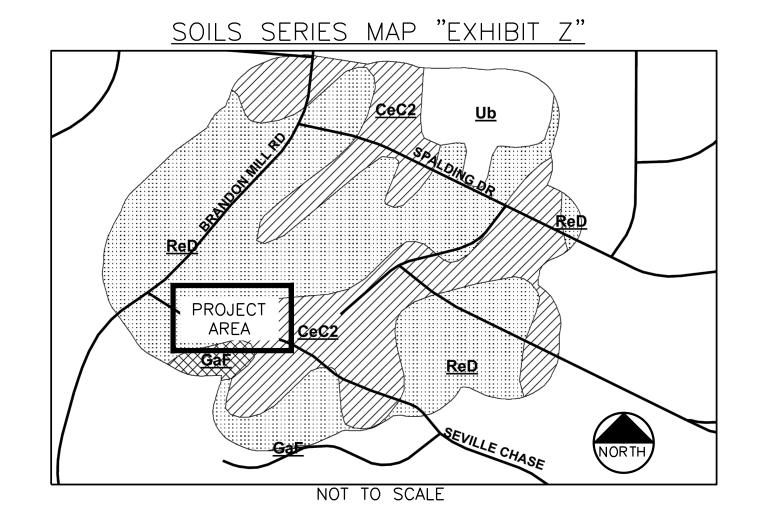


- NOTES:

 1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLITION

 AND POLITION AND POLITION
- 2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

Sd) SILT FENCE - TYPE SENSITIVE



	· · · · · · · · · · · · · · · · · · ·	
MAP UNIT SYMBOL	MAP UNIT NAME	RATING
CeC2	CECIL SANDY LOAM, 6 TO 10 PERCENT SLOPES. MODERATELY ERODED	В
GaF	GROVER-MOUNTAIN PARK COMPLEX, 20 TO 60 PERCENT SLOPES. STONY	В
ReD	RION SANDY LOAM, 10 TO 15 PERCENT SLOPES	В
Ub	URBAN LAND	





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EXHIBIT Y - DRAINAGE AREAS

SANDY SPRINGS

Date: 04/27/2020

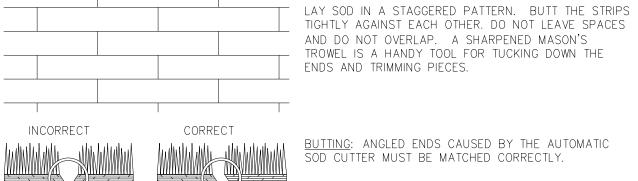
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PERMIT # PW20-00014R1

Existing Single Wing

SIN AREA			
(AC)			
0.1			
0.42			
2.22			
7.93			
0.61			
2.59			
1.62			
0.19			
3.21			
5.58			
1.32			

SOD LAYOUT AND PREPARATION



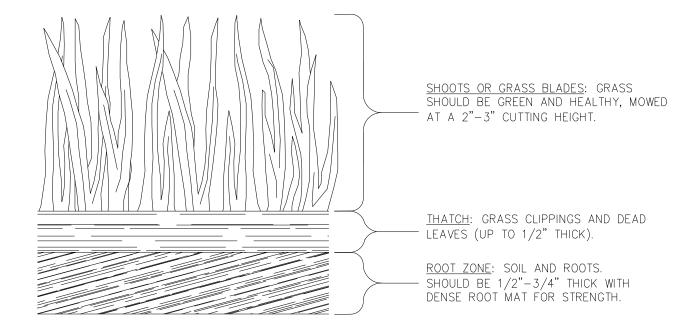
DIRECTIONS FOR INITIAL MAINTENANCE

1 ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL

Step 2. Water to a depth of 4" as needed. Water well as soon as the sod

Step 3. Mow when the sod is established -- in 2-3 weeks. Set the mower high (2"-3").

APPEARANCE OF GOOD SOD



Ds4 SOD MAINTENANCE AND INSTALLATION

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. COOL SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 LBS/AC 1000 LBS/AC 400 LBS/AC	50-100 LBS/AC 1/2/ - 30
2. COOL SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE	6-12-12 0-10-10 0-10-10	1500 LBS/AC 1000 LBS/AC 400 LBS/AC	0-50 LBS/AC 1/ - -
3. GROUND COVERS	FIRST SECOND MAINTENANCE	10-10-10 10-10-10 10-10-10	1300 LBS/AC 1300 LBS/AC 1100 LBS/AC	_ _ _
4. PINE SEEDLINGS	FIRST	20-10-5	ONE 21-GRAM PELLET PER SEEDLING PLACED IN THE CLOSING HOLE	_
5. SHRUBS LESPEDEZA	FIRST MAINTENANCE	0-10-10 0-10-10	700 LBS/AC 700 LBS/AC	
6. TEMPORARY COVER CROPS SEEDED ALONE	FIRST	10-10-10	500 LBS/AC	30 LBS/AC 5/
7. WARM SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 LBS/AC 800 LBS/AC 400 LBS/AC	50-100 LBS/AC 2/6/ 50-100 LBS/AC 2/ 30 LBS/AC
8. WARM SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE	6-12-12 0-10-10 0-10-10	1500 LBS/AC 1000 LBS/AC 400 LBS/AC	50 LBS/AC 6/

FERTILIZER INFORMATION BY GRASS TYPE

